

Norma / Uredba  
Standard / Regulation

Ispitna metoda  
Test method

**TEKSTIL / Textile**

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| HRI CEN ISO/TR 11827:2016<br>CEN ISO/TR 11827:2016<br>t. 7.1.1, 7.1.2, Annex D                                   | Sirovinski sastav - Identifikacija vlakana<br>Fibre composition - Identification of fibres   |
| Uredba / Regulation (EU) br.<br>1007/2011, Annex VIII, Chapter 2,<br>Method 1,2,3,4,7,8<br>Annex VIII, Chapter 3 | Uredba o nazivima tekstilnih vlakana i povezanom označivanju i obilježavanju sirovinskog sastava tekstilnih proizvoda<br>Regulation on textile fibre names and related labelling and marking of the fibre composition of textile products                    |
| HRN EN ISO 1833-1:2010<br>EN ISO 1833-1:2010   | Sirovinski sastav - Kvantitativna analiza - Mehaničko odvajanje<br>Fibre composition - Quantitative analysis - Manual separation   |
| HRN EN ISO 1833-2:2010<br>EN ISO 1833-2:2010   | Trokomponentne mješavine<br>Analysis of ternary fibre mixtures   |
| HRN EN ISO 1833-3:2010<br>EN ISO 1833-3:2010   | Mješavine acetatnih i određenih drugih vlakana (acetona)<br>Mixtures of acetate and certain other fibres (acetone)   |
| HRN EN ISO 1833-4:2017<br>EN ISO 1833-4:2017   | Mješavine određenih proteinskih i određenih drugih vlakana (hipoklorit)<br>Mixtures of certain protein and certain other fibres (hypochlorite)   |
| HRN EN ISO 1833-5:2010<br>EN ISO 1833-5:2010   | Mješavine viskoznog, bakrenog ili modalnog vlakna s pamukom (Natrij cinkat)<br>Mixtures of viscose, cupro or modal and cotton fibres (sodium zincate)  |
| HRN EN ISO 1833-6:2010<br>EN ISO 1833-6:2010   | Mješavine viskoznog vlakna ili određenih tipova bakrenih, modalnih ili liocelnih vlakana s pamukom (mravlja kiselina i cinkov klorid)<br>Mixtures of viscose or certain types of cupro or modal or lyocell and cotton fibres (formic acid and zinc chloride) |
| HRN EN ISO 1833-7:2017<br>EN ISO 1833-7:2017   | Mješavine poliamidnih i određenih ostalih vlakana (mravlja kiselina)<br>Mixtures of polyamide and certain other fibres (formic acid)   |
| HRN EN ISO 1833-8:2010<br>EN ISO 1833-8:2010   | Mješavine acetatnih i triacetatnih vlakana (acetona)<br>Mixtures of acetate and triacetate fibres (acetone)  |
| HRN EN ISO 1833-9:2010<br>EN ISO 1833-9:2010   | Mješavine acetatnih i triacetatnih vlakana (benzilni alkohol)<br>Mixtures of acetate and triacetate fibres (benzyl alcohol)  |
| HRN EN ISO 1833-10:2010<br>EN ISO 1833-10:2010   | Mješavine triacetatnih ili polilaktidnih vlakana s određenim drugim vlaknima (diklormetan)<br>Mixtures of triacetate or polylactide and certain other fibres (dichloromethane)   |
| HRN EN ISO 1833-11:2017<br>EN ISO 1833-11:2017   | Mješavine celuloznih i poliesterskih vlakana (sulfatna kiselina)<br>Mixtures of cellulose and polyester fibres (sulfuric acid)   |
| HRN EN ISO 1833-12:2010<br>EN ISO 1833-12:2010   | Mješavine akrilnih, određenih modakrilnih, klornih, elastanskih vlakana s drugim određenim vlaknima (dimetilformamid)<br>Mixtures of acrylic, certain modacrylics, certain chlorofibres, certain elastanes and certain other fibres (dimethylformamide)      |
| HRN EN ISO 1833-13:2010<br>EN ISO 1833-13:2010   | Mješavine određenih klornih vlakana s drugim određenim vlaknima (uglični disulfid/acetona)<br>Mixtures of certain chlorofibres and certain other fibres (carbon disulfide/acetone)   |
| HRN EN ISO 1833-14:2010<br>EN ISO 1833-14:2010   | Mješavine acetatnih vlakana s određenim klornim vlaknima (octena kiselina)<br>Mixtures of acetate and certain chlorofibres (acetic acid)   |
| HRN EN ISO 1833-16:2010<br>EN ISO 1833-16:2010   | Mješavine polipropilenskih i određenih drugih vlakana (ksilen)<br>Mixtures of polypropylene fibres and certain other fibres (xylene)   |
| HRN EN ISO 1833-17:2010<br>EN ISO 1833-17:2010   | Mješavine klornih (homopolimeri vinil-klorida) i određenih drugih vlakana (sulfatna kiselina)<br>Mixtures of chlorofibres (homopolymers of vinyl chloride) and certain other fibres (sulfuric acid)  |
| HRN EN ISO 1833-18:2010<br>EN ISO 1833-18:2010   | Mješavine svile i vune ili dlaka (sulfatna kiselina)<br>Mixtures of silk and wool or hair (sulfuric acid)  |

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| HRN EN ISO 1833-19:2010<br>EN ISO 1833-19:2010                     | Mješavine celuloznih vlakana i azbestnih vlakana (žarenjem)<br>Mixtures of cellulose fibres and asbestos (heating)   |
| HRN EN ISO 1833-20:2010<br>EN ISO 1833-20:2010                     | Mješavine elastanskih vlakana i određenih drugih vlakana (dimetilacetamid)<br>Mixtures of elastane and certain other fibres (dimethylacetamide)  |
| HRN EN ISO 1833-21:2010<br>EN ISO 1833-21:2010                     | Mješavine klornih, određenih modakrilnih, određenih elastanskih, acetatnih, triacetatnih vlakana s drugim određenim vlaknima (cikloheksanon)<br>Mixtures of chlorofibres, certain modacrylics, certain elastanes, acetates, triacetates and certain other fibres (cyclohexanone) |
| HRN EN ISO 1833-22:2013<br>EN ISO 1833-22:2013                     | Mješavine viskoznih ili određenih tipova bakarnih ili modalnih ili liocelnih vlakana i lana (mravlja kiselina i cinkov klorid)<br>Mixtures of viscose or certain types of cupro or modal or lyocell and flax fibres (formic acid and zinc chloride)                              |
| HRN EN ISO 1833-24:2011<br>EN ISO 1833-24:2011                     | Mješavine poliesterskih vlakana i određenih drugih vlakana (fenol i tetrakloretoan)<br>Mixtures of polyester and certain other fibres (phenol and tetrachloroethane)   |
| HRN EN ISO 1833-25:2013<br>EN ISO 1833-25:2013                     | Mješavine poliesterskih i drugih vlakana (trikloroocetna kiselina i kloroform)<br>Mixtures of polyester and certain other fibres (trichloroacetic acid and chloroform)   |
| HRN EN ISO 1833-26:2013<br>EN ISO 1833-26:2013                     | Mješavine melamina i pamuka ili aramidnih vlakana (vruća mravlja kiselina)<br>Mixtures of melamine and cotton or aramide fibres (hot formic acid)  |
| HRN F.S3.115   | Mješavina viskoznih vlakana s vunom (kalijev hidroksid)<br>Mixtures of viscose and wool (potassium hydroxide)  |
| DuPont metoda OP042  | Metoda DuPonta (Mješavina Nomex / Kevlar vlakna)<br>DuPont method (Mixtures Nomex / Kevlar fibres)   |
| HRN EN ISO 2060:2008<br>EN ISO 2060:1995                           | Finoća pređe iz namotka (metodom vitice)<br>Linear density from packages (skein method)  |
| HRN ISO 7211-5:2003<br>ISO 7211-5:1984                             | Finoća pređe izdvojene iz tkanine<br>Linear density of yarn removed from fabric  |
| HRN ISO 137:2003<br>ISO 137:1975                                   | Promjer vlakana<br>Fibre diameter  |
| HRN EN ISO 2061:2015<br>EN ISO 2061:2015                           | Uvojitost pređe - Metoda izravnog brojanja<br>Twist in yarns - Direct counting method  |
| HRN ISO 17202:2003<br>ISO 17202:2002                               | Uvojitost pređe - Metoda odvijanja / ponovnog uvijanja<br>Twist in yarns - Untwist / retwist method  |
| HRN ISO 7211-4:2003<br>ISO 7211-4:1984                             | Uvojitost pređe iz tkanine<br>Twist in yarns removed from fabric   |
| HRN ISO 3801:2003<br>ISO 3801:1977                                 | Dužinska i površinska masa tkanina<br>Mass per unit length and mass per unit area of woven fabrics   |
| HRN EN 12127:2003<br>EN 12127:1997                                 | Površinska masa na malim uzorcima tekstila<br>Mass per unit area using small samples of fabric   |
| HRN EN 29073-1:2003<br>ISO 9073-1:1989<br>EN 29073-1:1992          | Površinska masa netkanog tekstila<br>Mass per unit area of nonwovens   |
| HRN EN ISO 2286-2:2016 t. 3<br>EN ISO 2286-2:2016                  | Ukupna površinska masa gumom ili plastikom naslojenog tekstila<br>Total mass per unit area of rubber or plastics coated fabrics  |
| HRN EN 1049-2:2003<br>ISO 7211-2:1984, modified;<br>EN 1049-2:1993 | Gustoća - broj niti tkanine<br>Number of threads of woven fabric   |
| HRN ISO 3572:2003<br>ISO 3572:1976                                 | Opći nazivi i osnovni vezovi<br>General terms and basic weaves   |
| HRN EN 14971:2008<br>EN 14971:2006                                 | Gustoća - broj očica pletiva<br>Number of stitches of knitted fabric   |
| HRN EN ISO 8388:2008<br>EN ISO 8388:2003                           | Pletiva - Vrste<br>Knitted fabrics - Types   |
| HRN EN ISO 23606:2009<br>EN ISO 23606:2009                         | Pletiva - Prikaz i dizajn uzorka<br>Knitted fabrics - Representation and pattern design  |
| HRN EN ISO 3759:2011<br>EN ISO 3759:2011                           | Priprema, označavanje i mjerenje uzoraka tkanina i odjevnih predmeta<br>Preparation, marking and measuring of fabric specimens and garments  |

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| HRN EN ISO 6330:2012<br>EN ISO 6330:2012                  | Postupci pranja: Stroj za pranje tip A (točka 5.1.1)<br>Postupci sušenja: A, B, C, D (točke 8.1, 8.2, 8.3, 8.4)<br>Washing procedures: Washing machine Type A (clause 5.1.1)<br>Drying procedures: A, B, C, D (clause 8.1, 8.2, 8.3, 8.4) |
| HRN EN ISO 5077:2008<br>EN ISO 5077:2008                  | Dimenzijske promjene pri pranju i sušenju<br>Dimensional change in domestic washing and drying  |
| HRN ISO 7771:2003<br>ISO 7771:1985                        | Dimenzijske promjena pri kvašenju u hladnoj vodi<br>Dimensional change of fabrics by cold-water immersion   |
| HRN EN ISO 13934-1:2013<br>EN ISO 13934-1:2013            | Vlačna prekidna čvrstoća i istežanje tkanina - Metoda trake<br>Tensile strength and breaking elongation fabric - Strip method   |
| HRN EN ISO 13934-2:2014<br>EN ISO 13934-2:2014            | Vlačna prekidna čvrstoća i istežanje tkanina - Grab metoda<br>Tensile strength and breaking elongation fabric - Grab method   |
| HRN EN ISO 2062:2010<br>EN ISO 2062:2009                  | Vlačna prekidna čvrstoća i istežanje pređe s namotaka<br>Tensile strength and breaking elongation of yarn   |
| HRN EN 29073-3:2003<br>ISO 9073-3:1989<br>EN 29073-3:1992 | Vlačna prekidna čvrstoća i istežanje netkanog tekstila<br>Tensile strength and elongation of nonwovens  |
| HRN EN ISO 1421:2017<br>EN ISO 1421:2016                  | Vlačna prekidna čvrstoća i istežanje gumom ili plastikom naslojenog tekstila<br>Tensile strength and elongation of rubber or plastics coated fabrics  |
| HRN EN ISO 13935-1:2014<br>EN ISO 13935-1:2014            | Vlačna svojstva šava - Metoda trake<br>Seam tensile properties - Strip method   |
| HRN EN ISO 13935-2:2014<br>EN ISO 13935-2:2014            | Vlačna svojstva šava - Grab metoda<br>Seam tensile properties - Grab method   |
| HRN EN ISO 13936-1:2008<br>EN ISO 13936-1:2004            | Smicanje - Metoda otvaranja učvršćenog šava<br>Slippage resistance - Fixed seam opening method  |
| HRN EN ISO 13936-2:2008<br>EN ISO 13936-2:2004            | Smicanje - Metoda s trajnim opterećenjem<br>Slippage resistance - Fixed load method   |
| HRN EN ISO 13937-2:2008<br>EN ISO 13937-2:2000            | Sila kidanja tkanina - Jednostrano kidanje (hlače)<br>Tear properties of fabrics - Single tear method (trouser-shaped)  |
| HRN EN ISO 13937-3:2008<br>EN ISO 13937-3:2000            | Sila kidanja tkanina - Jednostrano kidanje (krila)<br>Tear properties of fabrics - Single tear method (wing-shaped)   |
| HRN EN ISO 13937-4:2008<br>EN ISO 13937-4:2000            | Sila kidanja tkanina - Dvostrano kidanje (jezik)<br>Tear properties of fabrics - Double tear test (tongue-shaped)   |
| HRN EN ISO 13938-1:2008<br>EN ISO 13938-1:1999            | Otpornost na probijanje - Određivanje tlaka<br>Bursting properties - Determination of pressure  |
| HRN EN ISO 9073-4:2005<br>EN ISO 9073-4:1997              | Sila kidanja netkanih tekstilija<br>Tear resistance of nonwovens  |
| HRN EN ISO 4674-1:2016<br>EN ISO 4674-1:2016              | Sila kidanja gumom ili plastikom naslojenih tekstilija<br>Tear resistance of rubber or plastics coated fabrics  |
| HRN EN ISO 12947-2:2017<br>EN ISO 12947-2:2016            | Habanje plošnih tekstilija - Prekid uzorka<br>Abrasion resistance of fabrics - Specimen breakdown   |
| HRN EN ISO 12947-3:2008<br>EN ISO 12947-3:1998+AC:2006    | Habanje plošnih tekstilija - Gubitak mase<br>Abrasion resistance of fabrics - Mass loss   |
| HRN EN ISO 12947-4:2008<br>EN ISO 12947-4:1998+AC:2006    | Habanje plošnih tekstilija - Procjena promjene izgleda površine<br>Abrasion resistance of fabrics - Assessment of appearance change   |
| HRN EN ISO 5470-2:2008<br>EN ISO 5470-2:2003              | Habanje gumom ili plastikom naslojenih tekstilija<br>Abrasion resistance of rubber or plastics coated fabrics   |
| HRN EN ISO 12945-1:2003<br>EN ISO 12945-1:2000            | Piling metoda u komori (tekstil)<br>Piling box method (textiles)  |
| HRN EN ISO 12945-2:2003<br>EN ISO 12945-2:2000            | Piling na tekstu - Preinačenom metodom po Martindaleu<br>Surface fuzzing and pilling - Modified Martindale method   |
| HRN EN 22313:2008<br>EN 22313:1992                        | Kut oporavka nakon gužvanja<br>Crease recovery angle  |
| HRN F.S2.018  | Kut gužvanja<br>Creasing angle  |
| HRN EN ISO 4920:2012<br>EN ISO 4920:2012                  | Vodoodbojnost (Ispitivanje prskanjem)<br>Surface wetting (Spray test)   |

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| HRN EN 20811:2003<br>ISO 811:1981<br>EN 20811:1992             | Vodonepropusnost - Ispitivanjem s hidrostatskim tlakom<br>Resistance to water penetration - Hydrostatic pressure test                            |
| HRN F.A1.012   | Vodonepropusnost - Metoda korita<br>Resistance to water penetration - Funnel method  |
| HRN EN ISO 14419:2010<br>EN ISO 14419:2010                     | Uljeodbojnost - Otpornost na ugljikovodike<br>Oil repellency - Hydrocarbon resistance test   |
| HRN F.A1.019   | Uljeodbojnost<br>Oil repellency  |
| HRN EN ISO 105-A01:2010<br>EN ISO 105-A01:2010                 | Postojanost obojenja - Opća načela ispitivanja<br>Colour fastness - General principles of testing  |
| HRN EN 20105-A02:2003<br>ISO 105-A02:1993<br>EN 20105-A02:1994 | Postojanost obojenja - Siva skala za ocjenu promjene obojenja<br>Colour fastness - Grey scale for assessing in colour                            |
| HRN EN 20105-A03:2003<br>ISO 105-A03:1993<br>EN 20105-A03:1994 | Postojanost obojenja - Siva skala za ocjenu prelaska boje<br>Colour fastness - Grey scale for assessing staining                                 |
| HRN EN ISO 105-B02:2014<br>EN ISO 105-B02:2014                 | Postojanost obojenja na umjetno svjetlo<br>Colour fastness to artificial light   |
| HRN EN ISO 105-B07:2010<br>EN ISO 105-B07:2009                 | Postojanost obojenja na svjetlo, tekstila navlaženog umjetnim znojem<br>Colour fastness to light of textiles wetted with artificial perspiration |
| HRN EN ISO 105-C06:2010<br>EN ISO 105-C06:2010                 | Postojanost obojenja pri pranju u kućanstvu i komercijalnom pranju<br>Colour fastness to domestic and commercial laundering                      |
| HRN EN ISO 105-C10:2008<br>EN ISO 105-C10:2007                 | Postojanost obojenja pri pranju sa sapunom i natrij karbonatom<br>Colour fastness to washing with soap and soda                                  |
| HRN EN ISO 105-D01:2010<br>EN ISO 105-D01:2010                 | Postojanost obojenja na kemijsko čišćenje<br>Colour fastness to dry cleaning   |
| HRN EN ISO 105-D02:2016<br>EN ISO 105-D02:2016                 | Postojanost obojenja na trljanje - Organskim otapalima<br>Colour fastness to rubbing - Organic solvents  |
| HRN EN ISO 105-E01:2013<br>EN ISO 105-E01:2013                 | Postojanost obojenja na vodu<br>Colour fastness to water   |
| HRN EN ISO 105-E02:2013<br>EN ISO 105-E02:2013                 | Postojanost obojenja na morsku vodu<br>Colour fastness to sea water  |
| HRN EN ISO 105-E03:2010<br>EN ISO 105-E03:2010                 | Postojanost obojenja na kloriranu vodu<br>Colour fastness to chlorinated water   |
| HRN EN ISO 105-E04:2013<br>EN ISO 105-E04:2013                 | Postojanost obojenja na znoj<br>Colour fastness to perspiration  |
| HRN EN ISO 105-E07:2010<br>EN ISO 105-E07:2010                 | Postojanost obojenja na vodene kapi<br>Colour fastness to spotting water   |
| HRN EN ISO 105-J01:2003<br>EN ISO 105-J01:1999                 | Postojanost obojenja - Opća načela mjerenja obojene površine<br>Colour fastness - General principles for measurement of surface colour           |
| HRN EN ISO 105-J02:2003<br>EN ISO 105-J02:1999                 | Postojanost obojenja - Instrumentalno određivanje relativne bjeline<br>Colour fastness - Instrumental assessment of relative whiteness           |
| HRN EN ISO 105-J03:2010<br>EN ISO 105-J03:2009                 | Postojanost obojenja - Izračunavanje razlika obojenja<br>Colour fastness - Calculation of colour differences                                     |
| HRN EN 20105-N01:2003<br>ISO 105-N01:1993<br>EN 20105-N01:1995 | Postojanost obojenja na bijeljenje - hipokloritom<br>Colour fastness to bleaching - hypochlorite   |
| HRN EN ISO 105-X05:2003<br>EN ISO 105-X05:1997                 | Postojanost obojenja na organska otapala<br>Colour fastness to organic solvents  |
| HRN EN ISO 105-X11:2003<br>EN ISO 105-X11:1996                 | Postojanost obojenja na glačanje<br>Colour fastness to hot pressing  |
| HRN EN ISO 105-X12:2016<br>EN ISO 105-X12:2016                 | Postojanost obojenja na trljanje<br>Colour fastness to rubbing   |
| HRN EN ISO 3071:2008<br>EN ISO 3071:2006                       | Određivanje pH vodenog ekstrakta<br>Determination of pH of aqueous extract   |
| HRN EN ISO 5084:2003<br>EN ISO 5084:1996                       | Debljina tekstila i tekstilnih proizvoda<br>Thickness of textiles and textile products   |

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| HRN EN ISO 9073-2:2003<br>EN ISO 9073-2:1996   | Debljina netkanih tekstilija<br>Thickness of nonwovens  |
| HRN EN ISO 9237:2003<br>EN ISO 9237:1995       | Propusnosti zraka plošnog tekstila<br>Air permeability of fabrics                             |
| HRN EN 1773:2003<br>EN 1773:1996               | Širina i dužina plošnog tekstila<br>Width and length of fabrics                               |
| HRN EN ISO 6940:2008<br>EN ISO 6940:2004       | Zapaljivosti okomito postavljenih uzoraka<br>Ignition of vertically oriented specimens        |
| HRN EN ISO 6941:2008<br>EN ISO 6941:2003       | Širenje plamena okomito postavljenih uzoraka<br>Flame spread of vertically oriented specimens |
| HRN EN ISO 14362-1:2017<br>EN ISO 14362-1:2017 | Aromatski amini izdvojeni iz azo bojila<br>Aromatic amines derived from azo colorants         |
| ISO 16322-2:2005<br>+Cor 1:2007                | Dimenzijska uvijenost nakon pranja i sušenja<br>Spirality after laundering and drying         |
| HRN EN ISO 2411:2008<br>EN ISO 2411:2000       | Adhezija nasloja<br>Coating adhesion  |
| HRN EN ISO 14184-1:2011<br>EN ISO 14184-1:2011 | Određivanje formaldehida<br>Determination of formaldehyde                                     |
| HRN EN ISO 11092:2014<br>EN ISO 11092:2014     | Toplinska otpornost i otpornost na vodenu paru<br>Thermal and water-vapour resistance         |

#### **GEOTEKSTIL / Geotextile**

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| HRN EN ISO 9863-1:2016<br>EN ISO 9863-1:2016 | Debljina<br>Thickness  |
| HRN EN ISO 9864:2005<br>EN ISO 9864:2005     | Određivanje površinske mase<br>Mass per unit area                |
| HRN EN ISO 10319:2015<br>EN ISO 10319:2015   | Vlačno ispitivanje na širokim trakama<br>Wide-width tensile test |

#### **TKANINE IZ STAKLENIH VLAKANA / Textile glass - Woven fabric**

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| ISO 4606:1995 | Vlačna prekidna sila i istezanje - Metoda trake<br>Tensile breaking force and elongation at break by the strip method |
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#### **TEKSTILNI MATERIJALI U GRAĐEVINARSTVU / Textiles in building industry**

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| HRN EN 13496:2013<br>EN 13496:2013                           | Mehaničkih svojstava mrežice od staklenih vlakana<br>Mechanical properties of glass fibre meshes |
| HRN DIN 4102-1:2000, t. 6.2<br>DIN 4102-1:1998 + Ispr.1:1998 | Otpornost na gorenje (za Razred B2)<br>Burning behaviour (for Class B2)                          |

#### **ZAŠTITNA ODJEĆA / Protective clothing**

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| HRN EN ISO 15025:2016<br>EN ISO 15025:2016         | Ponašanje pri gorenju - Ograničeno širenje plamena<br>Burning behaviour - Limited flame spread    |
| HRN EN 1149-1:2007<br>EN 1149-1:2006               | Elektrostatička svojstva - Površinska otpornost<br>Electrostatic properties - Surface resistivity |
| HRN EN 1149-2:2001<br>EN 1149-2:1997               | Elektrostatička svojstva - Vertikalni otpor<br>Electrostatic properties - Vertical resistance     |
| HRN EN 863:2003<br>EN 863:1995                     | Otpornost na probijanje<br>Puncture resistance  |
| HRN EN 530:2010<br>EN 530:2010                     | Otpornost na abraziju<br>Abrasion resistance  |
| HRN EN 381-2:2003, t. 7, 8<br>EN 381-2:1995        | Otpornost na razrezivanje lančanom pilom - Štitnici nogu  |
| HRN EN 381-5:2003, t. 6.2, 6.3, 4<br>EN 381-5:1995 | Chainsaw cutting - Leg protectors   |



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| HRN EN 381-8:2001, t. 5<br>EN 381-8:1997                     | Otpornost na razrezivanje lančanom pilom - Gamaše  |
| HRN EN 381-9:2001, t. 4.2, 4.3, 4.4<br>EN 381-9:1997         | Chainsaw cutting - Gaiters   |
| HRN EN 381-10:2003, t. 7, 8<br>EN 381-10:2002                | Otpornost na razrezivanje lančanom pilom - Štitnici gornjeg dijela tijela  |
| HRN EN 381-11:2003, t. 4.4<br>EN 381-11:2002                 | Chainsaw cutting - Upper body protectors   |
| HRN EN ISO 20471:2013, t. 4.1<br>EN ISO 20471:2013           | Površina uočljivog materijala<br>Area of high visibility material  |
| HRN EN ISO 20471:2013, t. 7.2<br>EN ISO 20471:2013           | Kromatičnost i faktor luminiscencije<br>Cromaticity and luminance factor   |
| HRN EN 13921:2008<br>EN 13921:2007                           | Ergonomska svojstva<br>Ergonomic principles  |
| HRN EN 13402-1:2008<br>ISO 3635:1981, MOD<br>EN 13402-1:2001 | Označivanje veličina odjeće - Nazivi, definicije i postupak mjerenja tijela<br>Size designation of clothes - Terms, definitions and body measurement procedure |
| HRN EN 13402-2:2008<br>EN 13402-2:2002                       | Označivanje veličina odjeće - Primarne i sekundarne dimenzije<br>Size designation of clothes - Primary and secondary dimensions                                |
| HRN EN 13402-3:2008<br>EN 13402-3:2004                       | Označivanje veličina odjeće - Mjere i intervali<br>Size designation of clothes - Body measurements and intervals   |
| ISO 17493:2016, t. 8.1, 8.2, 8.5                             | Otpornost na toplinu konvekcijom - Vrućim zrakom<br>Convective heat resistance - Hot air circulating oven  |
| HRN EN ISO 6530:2005<br>EN ISO 6530:2005                     | Otpornost materijala na tekuće kemikalije<br>Resistance of materials to liquid chemicals   |
| HRN EN 343:2008, t. 4.2, 5.1.3.5<br>EN 343:2003              | Propuštanje vode nakon izlaganja gorivima i uljima<br>Water penetration after influence of fuel and oil  |
| HRN EN ISO 6942:2003<br>EN ISO 6942:2002                     | Otpornost na toplinu zračenjem<br>Radiation heat resistance  |
| HRN EN ISO 9151:2016<br>EN ISO 9151:2016                     | Otpornost na toplinu konvekcijom - Prijenos topline pri izlaganju plamenu<br>Convective heat resistance - Heat transmission on exposure to flame               |
| HRN EN ISO 13997:2001<br>EN ISO 13997:1999                   | Otpornost na razrezivanje oštrim predmetima<br>Resistance to cutting by sharp objects  |
| HRN EN ISO 12127-1:2016<br>EN ISO 12127-1:2015               | Otpornost na toplinu dodirrom vrućim cilindrom<br>Contact heat resistance by heating cylinder  |

### KOŽA / Leather

|  |   |
|--|---|
| HRN EN ISO 2589:2016<br>EN ISO 2589:2016     | Debljina<br>Thickness   |
| HRN EN ISO 3376:2012<br>EN ISO 3376:2011     | Vlačna čvrstoća i istezanje<br>Tensile strength and elongation                                    |
| HRN EN ISO 3377-1:2012<br>EN ISO 3377-1:2011 | Otpornost na kidanje - Jednostrani zarez<br>Tear load - Single edge tear                          |
| HRN EN ISO 3377-2:2016<br>EN ISO 3377-2:2016 | Otpornost na kidanje - Dvostrani zarez<br>Tear load - Double edge tear                            |
| HRN EN ISO 4048:2008<br>EN ISO 4048:2008     | Određivanje tvari topljivih u diklorometanu<br>Determination of matter soluble in dichloromethane |
| HRN EN ISO 5402-1:2017<br>EN ISO 5402-1:2017 | Otpornost na savijanje metodom fleksometra<br>Flex resistance by flexometer method                |
| HRN EN ISO 4045:2008<br>EN ISO 4045:2008     | Određivanje pH<br>Determination of pH   |
| HRN G.S2.039                                 | Temperatura skupljanja u vodi (do 100 °C)<br>Shrinkage temperature (untill 100°C)                 |
| HRN G.S2.010                                 | Sadržaj vlage i pepela<br>Moisture and ash content  |
| HRN EN ISO 4047:2004<br>EN ISO 4047:1998     | Sadržaj sulfata u pepelu<br>Sulphate content in the ash   |

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| HRN EN ISO 14268:2012<br>EN ISO 14268:2012     | Propusnost vodene pare<br>Water vapour permeability  |
| HRN EN ISO 17229:2016<br>EN ISO 17229:2016     | Apsorpcija vodene pare<br>Water vapour absorption  |
| HRN EN ISO 5403-1:2012<br>EN ISO 5403-1:2011   | Otpornost savitljive kože na vodu (Penetrometrom)<br>Water resistance of flexible leather (Penetrometer)   |
| HRN EN ISO 2417:2016<br>EN ISO 2417:2016       | Statičko upijanje vode (Kubelka)<br>Static absorption of water (Kubelka)                                   |
| HRN EN ISO 11640:2012<br>EN ISO 11640:2012     | Postojanost obojenja na trljanje<br>Colour fastness to rubbing   |
| HRN EN ISO 11641:2012<br>EN ISO 11641:2012     | Postojanost obojenja na znoj<br>Colour fastness to perspiration  |
| HRN EN ISO 11642:2012<br>EN ISO 11642:2012     | Postojanost obojenja na vodu<br>Colour fastness to water   |
| HRN EN ISO 17075-1:2017<br>EN ISO 17075-1:2017 | Sadržaj kroma (VI)<br>Chromium (VI) content  |
| HRN EN ISO 17234-1:2015<br>EN ISO 17234-1:2015 | Aromatski amini dobiveni iz azo bojila<br>Aromatic amines derived from azo colorants                       |
| HRN EN ISO 15700:2004<br>EN ISO 15700:1999     | Postojanost obojenja na vodene kapi<br>Colour fastness to water spotting                                   |
| HRN EN ISO 3378:2004<br>EN ISO 3378:2002       | Otpornost lica kože na pucanje i indeks pucanja lica<br>Resistance to grain cracking and grain crack index |
| HRN EN ISO 5404:2012<br>EN ISO 5404:2011       | Otpornost teških koža na vodu<br>Water resistance of heavy leathers  |

#### **ZAŠTITNE RUKAVICE / Protective gloves**

|  |  |
|--|--|
| HRN EN 420:2011, t. 4.3.2, 4.3.3<br>EN 420:2003 +A1:2009 | Neškodljivost - pH, Cr(VI)<br>Innocuousness - pH, Cr(VI)   |
| HRN EN 420:2011, t. 6.1<br>EN 420:2003+A1:2009           | Veličina rukavice<br>Glove size  |
| HRN EN 420:2011, t. 6.2<br>EN 420:2003+A1:2009           | Spretnost prstiju rukavice<br>Glove dexterity  |
| HRN EN 420:2011, t. 6.3<br>EN 420:2003+A1:2009           | Propusnost vodene pare<br>Water vapour permeability  |
| HRN EN 420:2011, t. 6.4<br>EN 420:2003+A1:2009           | Apsorpcija vodene pare<br>Water vapour absorption  |
| HRN EN 388:2016, t. 6.1<br>EN 388:2016                   | Otpornost na abraziju<br>Abrasion resistance   |
| HRN EN 388:2016, t. 6.2<br>EN 388:2016                   | Otpornost na razrezivanje kružnom oštricom<br>Cut resistance circular blade  |
| HRN EN 388:2016, t. 6.3<br>EN 388:2016                   | Otpornost na razrezivanje ravnom oštricom<br>Cut resistance linear blade   |
| HRN EN 388:2016, t. 6.4<br>EN 388:2016                   | Otpornost na kidanje<br>Tear resistance  |
| HRN EN 388:2016, t. 6.5<br>EN 388:2016                   | Otpornost na probijanje<br>Puncture resistance   |
| HRN EN 407:2005, t. 6.3<br>EN 407:2004                   | Otpornost na gorenje<br>Burning behaviour  |
| HRN EN 407:2005, t. 6.4<br>EN 407:2004                   | Otpornost na toplinu dodirrom vrućim cilindrom<br>Contact heat resistance by heating cylinder  |
| HRN EN ISO 12127-1:2016<br>EN ISO 12127-1:2015           | Otpornost na toplinu konvekcijom - Prijenos topline pri izlaganju plamenu<br>Convective heat resistance - Heat transmission on exposure to flame |
| HRN EN 407:2005, t. 6.5<br>EN 407:2004                   | Otpornost na toplinu konvekcijom - Prijenos topline pri izlaganju plamenu<br>Convective heat resistance - Heat transmission on exposure to flame |
| HRN EN ISO 9151:2016<br>EN ISO 9151:2016                 | Otpornost na toplinu konvekcijom - Prijenos topline pri izlaganju plamenu<br>Convective heat resistance - Heat transmission on exposure to flame |

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|--------------------------------|---------------------------------------|
| HRN EN 407:2005, t. 6.6        |                                       |
| EN 407:2004                    | Otpornost na toplinu zračenjem        |
| HRN EN ISO 6942:2003, Method B | Radiant heat resistance               |
| EN ISO 6942:2002               |                                       |
| HRN EN 659:2008, t. 3.15       | Vrijeme potrebno za skidanje rukavica |
| EN 659:2003+A1:2008            | Time needed for removing gloves       |
| HRN ISO 15383:2010, Annex A    | Nepropusnost cijele rukavice          |
| ISO 15383:2001                 | Whole glove integrity                 |
| HRN EN 381-4:2001, t. 6, 8     |                                       |
| EN 381-4:1999                  | Razrezivanje lančanom pilom           |
| HRN EN 381-7:2001, t. 4, 5.3   | Chainsaw cutting                      |
| EN 381-7:1999                  |                                       |

**RADNA, ZAŠTITNA I SIGURNOSNA OBUĆA / Occupational, protective and safety footwear**

|   |   |
|---|---|
| HRN EN ISO 20344:2012, t. 5.1             | Ergonomska svojstva                                       |
| EN ISO 20344:2011                         | Ergonomic properties                                      |
| HRN EN ISO 20344:2012, t. 5.2             | Sila razdvajanja gornjište/potplat i međuslojeva potplata |
| EN ISO 20344:2011                         | Upper / outsole and sole interlayer bond strength         |
| HRN EN ISO 20344:2012, t. 5.3             | Unutarnja dužina kapice                                   |
| EN ISO 20344:2011                         | Internal toecap length                                    |
| HRN EN ISO 20344:2012, t. 5.4             | Otpornost kapice na udar                                  |
| EN ISO 20344:2011                         | Toecap impact resistance                                  |
| HRN EN ISO 20344:2012, t. 5.5             | Otpornost kapice na pritisak                              |
| EN ISO 20344:2011                         | Toecap compression resistance                             |
| HRN EN ISO 20344:2012, t. 5.6.1           | Korozija metalnih kapica i umetaka (za Razred II)         |
| EN ISO 20344:2011                         | Corrosion of metallic toecap and inserts (for Class II)   |
| HRN EN ISO 20344:2012, t. 5.6.2,<br>5.6.3 |   |
| EN ISO 20344:2011                         | Korozija metalnih kapica i umetaka (za Razred I)          |
| HRN EN 12568:2010, t. 5.3, 7.3            | Corrosion of metallic toecap and inserts (for Class I)    |
| EN 12568:2010                             |   |
| HRN EN ISO 20344:2012, t. 5.7             | Određivanje propuštanja obuće (za Razred II)              |
| EN ISO 20344:2011                         | Leakproofness (for Class II)                              |
| HRN EN ISO 20344:2012, t. 5.8.1           | Dimenzijska sukladnost umetaka                            |
| EN ISO 20344:2011                         | Dimensional conformity of inserts                         |
| HRN EN ISO 20344:2012, t. 5.8.2           | Otpornost na probijanje donjišta                          |
| EN ISO 20344:2011                         | Penetration resistance of the sole                        |
| HRN EN ISO 20344:2012, t. 5.10            | Električna otpornost                                      |
| EN ISO 20344:2011                         | Electrical resistance                                     |
| HRN EN ISO 20344:2012, t. 5.11            |   |
| EN ISO 20344:2011                         | Otpornost na klizanje                                     |
| HRN EN ISO 13287:2012                     | Footweae slip resistance                                  |
| EN ISO 13287:2012                         |   |
| HRN EN ISO 20344:2012, t. 5.12            | Toplinska izolacija donjišta                              |
| EN ISO 20344:2011                         | Heat insulation   |
| HRN EN ISO 20344:2012, t. 5.13            | Izolacija donjišta od hladnoće                            |
| EN ISO 20344:2011                         | Cold insulation   |
| HRN EN ISO 20344:2012, t. 5.14            | Apsorpcija energije u području pete                       |
| EN ISO 20344:2011                         | Energy absorption of seat region                          |
| HRN EN ISO 20344:2012, t. 5.15.1          | Otpornost na vodu cijele obuće                            |
| EN ISO 20344:2011                         | Resistance to water for whole footwear                    |
| HRN EN ISO 20344:2012, t. 6.1             | Debljina gornjišta  |
| EN ISO 20344:2011                         | Thickness of upper  |
| HRN EN ISO 20344:2012, t. 6.2             | Visina gornjišta  |
| EN ISO 20344:2011                         | Height of the upper                                       |
| HRN EN ISO 20344:2012, t. 6.3             | Određivanje sile kidanja gornjišta, podstave i/ili jezika |
| EN ISO 20344:2011                         | Tear strength of the upper, lining and tongue             |



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| HRN EN 13571:2008<br>EN 13571:2001+AC:2003           | Otpornost na kidanje gornjišta, podstave i uložne tabanice<br>Tear strength of uppers, linings and insocks |
| HRN EN ISO 20344:2012, t. 6.4<br>EN ISO 20344:2011   | Vlačna svojstva gornjišta<br>Tensile properties of upper material  |
| HRN EN ISO 20344:2012, t. 6.5.2<br>EN ISO 20344:2011 | Savijanje gumenih gornjišta<br>Flexing of rubber upper   |
| ISO 4643:1992, Annex C                               | Povećanje reza savijanjem (Ross)   |
| ISO 5423:1992, Annex C                               | Flexing resistance (Ross)  |
| HRN EN ISO 20344:2012, t. 6.6<br>EN ISO 20344:2011   | Propusnost vodene pare<br>Water vapour permeability  |
| HRN EN 13515:2008<br>EN 13515:2001                   |  |
| HRN EN ISO 20344:2012, t. 6.7<br>EN ISO 20344:2011   | Apsorpcija vodene pare<br>Water vapour absorption  |
| HRN EN 13515:2008<br>EN 13515:2001                   |  |
| HRN EN ISO 20344:2012, t. 6.8<br>EN ISO 20344:2011   | Koeficijent vodene pare<br>Water vapour coefficient  |
| HRN EN ISO 20344:2012, t. 6.9<br>EN ISO 20344:2011   | Neškodljivost - pH<br>Innocuousness - pH   |
| HRN EN ISO 20344:2012, t. 6.11<br>EN ISO 20344:2011  | Neškodljivost - Cr(VI)<br>Innocuousness - Cr(VI)   |
| HRN EN ISO 20344:2012, t. 6.12<br>EN ISO 20344:2011  | Otpornost na habanje podstave i uložne tabanice<br>Abrasion resistance of lining and insock                |
| HRN EN 13520:2008<br>EN 13520:2001+A1:2004           |  |
| HRN EN ISO 20344:2012, t. 6.13<br>EN ISO 20344:2011  | Otpornost gornjišta na propuštanja i upijanje vode<br>Water penetration and water absorption for upper     |
| HRN EN ISO 20344:2012, t. 6.14<br>EN ISO 20344:2011  | Otpornost na razrezivanje gornjišta<br>Cur resistance of upper   |
| HRN EN ISO 20344:2012, t. 7.1<br>EN ISO 20344:2011   | Debljina temeljne tabanice<br>Insole thickness   |
| HRN EN ISO 20344:2012, t. 7.2<br>EN ISO 20344:2011   | Upijanje i otpuštanje vode tabanica (dinamičko)<br>Water penetration and water absorption insole (dynamic) |
| EN 344:1992, t. 5.15                                 | Upijanje i otpuštanje vode tabanica (statičko)<br>Water penetration and water absorption insole (static)   |
| HRN EN 12746:2004<br>EN 12746:2000                   |  |
| HRN EN ISO 20344:2012, t. 7.3<br>EN ISO 20344:2011   | Otpornost na habanje temeljnih tabanica<br>Abrasion resistance of insole                                   |
| HRN EN 12747:2004<br>EN 12747:1999                   |  |
| HRN EN ISO 20344:2012, t. 8.1<br>EN ISO 20344:2011   | Debljina potplata<br>Outsole thickness   |
| HRN EN ISO 20344:2012, t. 8.2<br>EN ISO 20344:2011   | Otpornost na kidanje potplata<br>Tear strength of outsole  |
| HRN EN 12771:2004<br>EN 12771:1999                   |  |
| HRN EN ISO 20344:2012, t. 8.3<br>EN ISO 20344:2011   | Otpornost potplata na abraziju<br>Outsole abrasion resistance  |
| HRN EN 12770:2004<br>EN 12770:1999                   |  |
| HRN EN ISO 20344:2012, t. 8.4<br>EN ISO 20344:2011   | Otpornost na savijanje potplata<br>Flexing resistance of outsole   |
| HRN EN ISO 17707:2008<br>EN ISO 17707:2005           |  |

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|---|---|
| HRN EN ISO 20344:2012, t. 8.5<br>EN ISO 20344:2011<br>ISO 5423:1992, Annex C, E | Otpornost potplata na hidrolizu<br>Resistance to hydrolisis of outsole                  |
| HRN EN ISO 20344:2012, t. 8.6.1<br>EN ISO 20344:2011                            | Otpornost potplata na pogonsko gorivo<br>Resistance of outsole to fuel oil              |
| HRN EN 381-3:2001<br>EN 381-3:1996  | Otpornost na razrezivanje lančanom pilom - Obuća<br>Chain saw cut resistance - Footwear |
| HRN EN ISO 17249:2013, t. 6.2,<br>6.3, 6.4 EN ISO 17249:2013                    |   |
| HRN EN ISO 20344:2012, t. 8.7<br>EN ISO 20344:2011                              | Otpornost potplata na toplinu dodirom<br>Resistance to hot contact of outsole           |

#### VATROGASNA OBUČA / Footwear for firefighters

|  |  |
|--|--|
| HRN EN 15090:2012, t. 6.7<br>EN 15090:2012 | Dimenzije potplata vatrogasne obuće<br>Dimensions of outsole for firefighters footwear |
| HRN EN 15090:2012, t. 7.2<br>EN 15090:2012 | Otpornost na toplinu zračenjem<br>Resistance to radiant heat                           |
| HRN EN ISO 6942:2003<br>ISO 6942:2002      |  |
| HRN EN 15090:2012, t. 7.3<br>EN 15090:2012 | Otpornost na gorenje<br>Burning behaviour  |

#### GUMA / Rubber

|  |   |
|--|---|
| HRN ISO 2781:2008<br>ISO 2781:2008     | Gustoća<br>Density  |
| HRN ISO 4649:2011<br>ISO 4649:2010     | Otpornost na abraziju<br>Abrasion resistance  |
| HRN ISO 7619-1:2013<br>ISO 7619-1:2010 | Tvrdoća utiskivanjem, Shore A<br>Indentation hardness, Shore A                                      |
| HRN ISO 23529:2011<br>ISO 23529:2010   | Debljina<br>Thickness   |
| ISO 37:2011                            | Vlačna svojstva (uzorka u obliku trake)<br>Tensile stress-strain properties (dumb-bell test pieces) |

#### NAMJEŠTAJ / Furniture

|  |   |
|--|---|
| HRN EN 1021-1:2015<br>EN 1021-1:2014           | Zapaljivost ojastučenog namještaja - Tinjajuća cigareta<br>Ignitability of upholstered furniture - Smouldering cigarette                |
| HRN EN 1021-2:2015<br>EN 1021-2:2014           | Zapaljivost ojastučenog namještaja - Plamen istovjetan plamenu šibice<br>Ignitability of upholstered furniture - Match flame equivalent |
| HRN EN ISO 12952-1:2010<br>EN ISO 12952-1:2010 | Zapaljivost postelnog rublja - Tinjajuća cigareta<br>Ignitability of bedding items - Smouldering cigarette                              |
| HRN EN ISO 12952-2:2010<br>EN ISO 12952-2:2010 | Zapaljivost postelnog rublja - Plamen istovjetan plamenu šibice<br>Ignitability of bedding items - Match-flame equivalent               |

#### IGRAČKE / Toys

|   |  |
|---|--|
| HRN EN 71-1:2015,<br>t. 8.2, 8.16, 8.32, 8.33<br>EN 71-1:2014 | Mehanička i fizikalna svojstva<br>Mechanical and phisical properties |
| HRN EN 71-2:2014, t. 5.2, 5.3, 5.5<br>EN 71-2:2011+A1:2014    | Zapaljivost<br>Flammability  |

**PATENTNI ZATVARAČI / Zippers**

|                           |  |
|---------------------------|--|
| DIN 3417:1998             | Tipovi i dimenzije patentnih zatvarača                           |
| DIN 3418:1998             | Types and dimensions of zippers                                  |
| DIN 3419-1:1998, t. 6.2.3 | Mehanička svojstva zatvarača<br>Mechanical properties of zippers |

**PLASTIKA / Plastics**

|                        |   |
|------------------------|---|
| HRN EN ISO 527-1:2008  | Vlačna svojstva   |
| EN ISO 527-1:1996      | Tensile properties                                      |
| HRN EN ISO 6383-1:2008 | Čvrstoća kidanja (hlače)                                |
| EN ISO 6383-1:2004     | Tear resistance of plastics films and sheets (trousers) |
| Interna metoda MK-I2   | Vlačna čvrstoća sigurnosnih vezica                      |
| Internal method MK-I2  | Tensile properties of cable ties fasteners              |

**PLUTAJUĆA POMAGALA / Buoyant aids**

|                                    |                                      |
|------------------------------------|--------------------------------------|
| HRN EN ISO 13138-1:2010<br>Annex A | Otpornost oznaka na slinu            |
| EN ISO 13138-1:2008                | Resistance of the markings to saliva |
| HRN EN ISO 13138-1:2010<br>Annex G | Ukupna čvrstoća                      |
| EN ISO 13138-1:2008                | Integrity of the entire assembly     |

**VOZILA / Vehicles**

|                   |   |
|-------------------|---|
| HRN ISO 3795:2001 | Ponašanje pri gorenju unutrašnjih materijala u vozilima |
| ISO 3795:1989     | Burning behaviour interior materials in vehicles        |

akreditirana metoda  
acredited method

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