



EN 659 PROTECTIVE GLOVES FOR FIREFIGHTERS TEST METHODS AND REQUIREMENTS

General requirements	EN 420
Glove measurement and dimensions	EN 659 part 3.2 EN 420 part 6.1
Gloved finger dexterity	EN 420 part 6.2 in new state
Abrasion resistance – for multilayered gloves the test is carried out on all layers	EN 388 part 6.1 in new state
Cut resistance for multilayered gloves the test is carried out simultaneously on all layers	EN 388 part 6.2 in new state
Tear resistance for multilayered gloves the test is carried out on all layers	EN 388 part 6.3 in new state
Puncture resistance for multilayered gloves the test is carried out simultaneously on all layers	EN 388 part 6.4 in new state
Burning behavior for multilayered gloves the test is carried out simultaneously on all layers	EN ISO 6941 in new state
Heat resistance of the lining material (180°C)	ISO 17493 in new state
Heat shrinkage (180°C)	ISO 17493 in new state
Seam breaking strength	EN 13935-2 in new state
Resistance to liquid chemical penetration	EN ISO 6530 in new state
Time for removal of gloves	EN 659 part 3.15
Resistance of glove material to water penetration – textiles (optional)	EN 20811
Resistance of glove material to water penetration – leather (optional)	EN ISO 20344



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Whole glove integrity test – waterproof (optional)	ISO 15383
Convective heat for multilayered gloves the test is carried out simultaneously on all layers	EN 367 in new state
Radiant heat for multilayered gloves the test is carried out simultaneously on all layers	EN ISO 6942 in new state
Contact heat for multilayered gloves the test is carried out simultaneously on all layers	EN 702 in new state