



**EN ISO 20471 HIGH-VISIBILITY WARNING CLOTHING
FOR PROFESSIONAL USE
TEST METHODS AND REQUIREMENTS**

Check of the design	EN ISO 20471 part 4.2
Calculation of visibility of clothing in the smallest size – type and classes	EN ISO 20471 part 4.1
Check of the ergonomic features	EN ISO 13688
Check of size designation	EN ISO 13688
Pretreatment: Washing and drying	EN ISO 15797 (industrial) or EN ISO 6330 (domestic)
Dimensional change due to cleaning	ISO 5077 after 5 cycles
Colour fastness to artificial light: Xenon arc fading lamp test	EN ISO 105-B02
Colour fastness to rubbing	EN ISO 105-X12 dry + wet
Colour fastness to perspiration	EN ISO 105-E04
Colour fastness to domestic washing	EN ISO 105-C06
Colour fastness to dry cleaning	EN ISO 105-D01
Colour fastness to bleaching - hypochlorite	EN ISO 105-N01
Colour fastness to hot pressing	EN ISO 105-X11
Tensile strength (woven fabric)	EN ISO 13934-1 in warp and weft direction in new state
Tear resistance (coated fabric)	EN ISO 4674-1 Method A in warp and weft direction in new state
Colour performance requirements for background and combined performance material	EN ISO 20471 part 5.1 in new state and after pretreatments



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Bursting strength (knitted fabric)	EN ISO 13938-2 dry, in new state
Water vapour resistance R_{et}	EN 31092 ISO 11092 in new state
Thermal resistance R_{ct}	EN 31092 ISO 11092 in new state
Water vapour permeability index i_{mt}	EN 31092 ISO 11092 Calculation from R_{et} and R_{ct}