PPE-Standard-matrix - European Standards

			Standard - Requirements					
			DIN EN ISO 11612 Protective clothing against heat and flame	**DIN EN ISO 11611** Protective clothing for use in welding and allied processes	**DIN EN ISO 61482-1-2** Protective clothing against the thermal hazards of an electric arc	**DIN EN 1149-5** Protective clothing with electrostatic properties	**DIN EN 13034 Typ 6** Protective clothing against liquid chemicals	**DIN EN ISO 20471** High-visbility clothing
TEST METHODS	**DIN EN ISO 15025**	Limited flame spread *Code A*	Method A: Code A1 - surface ignition Method B: Code A2 - edge ignition	Method A: Code A1 - surface ignition Method B: Code A2 - edge ignition	Method A: Code A1 - surface ignition			
	ISO 17493	Heat resistance shrinkage	5 min - 180°C (±5)		5 min - 180°C (±5)			
	ISO 9150	Small hot metal drops		Class 1: ≥ 15 drops Class 2: ≥ 25 drops				
	DIN EN ISO 9151	Convective heat HTI (s) *Code B*	B1 ≥ 4 < 10 B2 ≥ 10 < 20 B3 ≥ 20					
	DIN EN ISO 6942	Radiant heat RHTI (s) Heat transfer radiation *Code C*	C1 ≥ 7 < 20 C2 ≥ 20 < 50 C3 ≥ 50 < 95 C4 ≥ 95	Class 1: RHTI 24 ≥ 7 Class 2: RHTI 24 ≥ 16				
	DIN EN ISO 9185	Molton aluminium splash *Code D*	D1 ≥ 100 < 200 D2 ≥ 200 < 350 D3 ≥ 350					
	DIN EN ISO 9185	Molton iron splash *Code E*	E1 ≥ 60 < 120 E2 ≥ 120 < 200 E3 ≥ 200					
	DIN EN ISO 12127-1	Contact heat *Code F*	F1 ≥ 5 < 10 F2 ≥ 10 < 15 F3 ≥ 15					
	DIN EN ISO 61482-1-2	Arc thermal resistance requirements			Class 1: 4 kA Class 2: 7 kA			
	DIN EN 1149-1	Surface resistivity				≤ 2,5 x 10^9 Ω		
	DIN EN 1149-2	Vertical resistance R_v		> 10^5 Ω	IEC 61340-2-3 > 10^5 Ω			
	DIN EN 1149-3	Charge decay				t_{50} < 4 s S > 0,2		
	DIN EN ISO 5077	Dimensional change	± 3 %	± 3 %	± 3 %		± 3 %	± 3%
	DIN EN ISO 13934-1	Tensile strength	> 300 N	> 400 N	150-220g/m² ≥ 250N 220 g/m² ≥ 400N		Class 1 - 6 > 30 N - > 1.000 N	≥ 100 N
	DIN EN ISO 13937-2	Tear strength	≥ 10 N	Class 1: ≥ 15 N Class 2: ≥ 20 N	150-220g/m² ≥ 10N ≥ 220 g/m² ≥ 15N			
	EN ISO 9073-4	Tear strength					Class 1 - 6 > 10 N - > 150 N	
	EN 530	Abrasion resistance					Method 2, 9kPa, Paper 00 Class 1 - 6 > 10N - > 2.000 T	
	EN 863	Puncture resistance					Class 1 - 6 > 5 N - > 250 N	
	EN 368	Liquid repellency R/% Penetrations resistance P/%					Index of test chemicals acc. to testreport , Cl. 1 - 3	
	CIE 15	Colour space coordinates Luminance factor						- original sate - after xenon irradiation - after 5 care cycles
	EN ISO 11092	Water vapor resistance RET						< 5m².Pa/W
	EN ISO 105-E04	Fastness to perspiration						Grade 4
	EN ISO 105-C06	Fastness to washing @ 60°C						Change of col.: 4-5 Staining: 4
	EN ISO 105-D01	Fastness to dry cleaning						Change of col.: 4 Staining: 4
	EN 20105-N01	Fastness to hypochlorite bleach						Change of col.: 4
	EN ISO 105-X11	Fastness to ironing						Change of col.: 4-5 Staining: 4
	EN ISO 105X12	Fastness to dry rubbing						Grade 4

Stand: Oktober 2019