



SELGUARD-I

Cleanroom class 100 (ISO 5)

Technical Data

Description	Value	Test method
Composition	Polyester filament yarn with Polyester carbon compound filament yarn	ASTM-D-629
Autoclavable	Max. 134°C	
Weave	2/1 Twill, 20mm stripe	
Weight	120 g/m ²	
Width	152 cm	
Density	Warp: 76cm Weft: 38cm	
Yarn type	Warp: Polyester 75D/36F; Conductive 70D/25F Polyester base Weft: Polyester 100D/96F	
Surface resistivity	10 ⁸⁻⁹ Ohm/sq. (42% RH.; 21°C)	DIN 54345
Friction charges	Warp: 93V Weft: 60V	JIS L1094-B
Decay time	+/-0,01 (42% RH.; 21°C) sec.	NFPA-99
Tear strength	Warp: 2.729g Weft: 2373g	JIS L1096 6.15.5-D-1990
Tensile strength	Warp: 100.5kg Weft: 34,5kg	JIS L1096 6.12.1-A-1990
Water vapor permeability	12307 g/m ² /24h	JIS L1099-A1
Application	Cleanroom class 100 and higher garments.	

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