

Inertia

Technical Specification

EFI-TS-20210629-04-EN

Name	Standard	Symbol	Result
CE / DOP	EN 14041		CPR/AI/009
Usage Classification	EN 1307		23, 33
Luxury Class	EN 1307		LC4
Size	EN 994		457.2 x 914.4 mm (18" x 36")
Construction Gauge	ISO 2424		Textured Pattern Loop 1/12"
Fibre Composition	-		Nylon 6,6
Dye Method	-		Solution Dyed
Primary Backing	-		Woven Polyester
Secondary Backing	-		PVC
Stitches per 10cm	-		39
Total Thickness (mm)	ISO 1765		8.4 mm (+15%/-10%)
Total Mass Per Unit Area (g/m ²)	ISO 8543		3740 g/m ² (±15%)
Effective Pile Thickness (mm)	ISO 1766		5.2 mm
Pile Mass Total/Effective (g/m ²)	ISO 8543		1255/922 g/m ²
Surface Pile Density (g/cm ³)	ISO 8543		0.18 g/cm ³
Number of Tufts/Loops (calculated per m ²)	ISO 1763		210,940
Fire Resistance	EN 13501-1		C _{fi} -s1
Slip Resistance	EN 13893		Class DS
Suitability for Stairs	EN1307 Annex C		Yes (with protective nosings)
Dimension Stability	EN 986		≤ 0,2 %
Anti-Static Body Voltage (kV @25%rh)	ISO 6356		≤ 2.0 kV
Vertical Electric Resistance	EN 10965		≥ 10 ¹⁰ Ω
Horizontal Electric Resistance	EN 10965		≥ 10 ¹⁰ Ω
Castor Chair Suitability	EN 985		r ≥ 2.4 / Intensive Use
Light Colour Fastness	EN ISO 105: B02		>6
Colour Fastness to Rubbing	EN ISO 105: X12		4/5
Colour Fastness to Water	EN ISO 105: E01		4
Resistance to Fraying	EN 1814		Pass
Impact Sound Insulation ΔL _w	EN ISO 717-2		26 dB
Sound Absorption	ISO 354		α _w = 0.15 α _s = -0.01 0.03 0.06 0.15 0.32 0.42
Thermal Resistance (m ² K/W)	ISO 8302		0.096 m ² K/W
Emissions COV			A+
Emissions	M1		https://cer.rts.fi/en/m1-emission
Emissions	IAC Gold		Cert no. IACG-352 -04-08-2020
Environment	ISO 14025		Mannington decl. no EPD 10269