Force
Technical Specification

EFF-TS-20210604-04-EN

Name	Standard	Symbol	Result
CE / DOP	EN 14041	CE	CPR/AI/009
Usage Classification	EN 1307		23, 32
Luxury Class	EN 1307		LC3
Size	EN 994		457.2 x 914.4 mm (18" x 36")
Construction Gauge	ISO 2424		Textured Pattern Loop 1/12"
Fibre Composition	-	PA	Nylon 6,6
Dye Method	-		Solution Dyed
Primary Backing	-		Woven Polyester
Secondary Backing	-		PVC
Stitches per 10cm	-		39
Total Thickness (mm)	ISO 1765		8.3 mm (+15%/-10%)
Total Mass Per Unit Area (g/m²)	ISO 8543		4500 g/m² (±15%)
Effective Pile Thickness (mm)	ISO 1766		5.0 mm
Pile Mass Total/Effective (g/m²)	ISO 8543		1221/760 g/m²
Surface Pile Density (g/cm³)	ISO 8543		0.17 g/cm³
Number of Tufts/Loops (calculated per m²)	ISO 1763		221,270
Fire Resistance	EN 13501-1	Cfl-s1	C_{fl}-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		7
Colour Fastness to Rubbing	EN ISO 105: X12		4/5
Colour Fastness to Water	EN ISO 105: E01		5
Resistance to Fraying	EN 1814		Pass
Impact Sound Insulation ΔL_w	EN ISO 717-2		25 dB
Sound Absorption	ISO 354		α_w = 0.15 (Hz: 125 250 500 1000 2000 4000; α_s: -0.00 0.03 0.07 0.15 0.33 0.43)
Thermal Resistance (m²K/W)	ISO 8302		0.087 m² K/W
Emissions COV		A+ Information sur le niveau d'émission de substances volatiles dans l'air intérieu, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).	A+
Emissions	M1	M1	https://cer.rts.fi/en/m1-emission
Emissions	IAC Gold		Cert no. IACG-352 -04-08-2020
Environment	ISO 14025	EPD	Mannington decl. no EPD 10269

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