

# Inertia

## Technical Specification

EFI-TS-20201110-03-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		8.7 mm (+15%/-10%)														
Total Mass Per Unit Area (g/m <sup>2</sup> )	ISO 8543		5457 g/m <sup>2</sup> (±15%)														
Effective Pile Thickness (mm)	ISO 1766		5.2 mm														
Pile Mass Total/Effective (g/m <sup>2</sup> )	ISO 8543		1255/922 g/m <sup>2</sup>														
Surface Pile Density (g/cm <sup>3</sup> )	ISO 8543		0.18 g/cm <sup>3</sup>														
Number of Tufts/Loops (calculated per m <sup>2</sup> )	ISO 1763		210,940														
Fire Resistance	EN 13501-1		C <sub>fl</sub> -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 <sup>10</sup> Ω														
Horizontal Electric Resistance	EN 10965		≥ 10 <sup>10</sup> 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 <sub>w</sub>	EN ISO 717-2		26 dB														
Sound Absorption	EN ISO 11654 / ISO 354		α <sub>w</sub> = 0.15 <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>Hz</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td>α<sub>s</sub></td><td>-0.01</td><td>0.03</td><td>0.06</td><td>0.15</td><td>0.32</td><td>0.42</td></tr></table>	Hz	125	250	500	1000	2000	4000	α <sub>s</sub>	-0.01	0.03	0.06	0.15	0.32	0.42
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Thermal Resistance (m <sup>2</sup> K/W)	ISO 8302		0.096 m <sup>2</sup> K/W														
Emissions COV			A+														
Emissions	M1		Pass														
Emissions	IAC Gold		Cert no. IACG-352 -04-08-2019														
Environment	ISO 14025		Mannington decl. no EPD 10269														