

Altitude Sierra

Technical Specifications

ASI-TS-20210618-02-EN

Name	Standard	Symbol	Result
CE / DOP	EN 14041		CPR/AI/015
Usage Classification	EN 1307		23, 33
Luxury Class	EN 1307		LC3
Size	EN 994		457.2 x 914.4 mm (18" x 36")
Construction Gauge	ISO 2424		Tufted, Tip-Sheared 5/64"
Fibre Composition			Invista Antron Lumena Nylon 6,6 BCF
Dye Method			Solution Dyed
Primary Backing			Woven Polyester
Secondary Backing			PVC
Stitches per 10cm			44
Total Thickness (mm)	ISO 1765		6.5mm (+15%/-10%)
Total Mass Per Unit Area (g/m ²)	ISO 8543		2920 g/m ² (±15%)
Effective Pile Thickness (mm)	ISO 8543		4.19 mm
Pile Mass Total/Effective (g/m ²)	ISO 8543		726/666 g/m ²
Surface Pile Density (g/cm ³)	ISO 8543		0.16 g/cm ³
Number of Tufts/Loops (calculated per m ²)	ISO 1763		212,710
Fire Resistance	EN 13501-1		C _{fi} -s1
Slip Resistance	EN 13893		Class DS
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		27 dB
Sound Absorption	EN ISO 11654 ISO 354		α _w = 0.2 Hz 125 250 500 1000 2000 4000 α _s 0.07 0.05 0.10 0.20 0.43 0.56
Thermal Resistance (m ² K/W)	ISO 8302		0.090 m ² K/W
Emissions COV		Information sur le niveau d'émission de substances volatiles dans l'air intérieur, 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		Certified https://cer.rts.fi/en/m1-emission
Emissions	IAC Gold		IACG-352-04-09-2020
Environment	ISO 14025		Mannington decl. no EPD 10269