


















Description	Standard	Symbol	Requirements	Results
Classification (Level of Use)	EN ISO 10582 EN ISO 10582		<b>Domestic - Heavy (Class 23)</b> Wear Layer (Nominal): $\geq 0.30\text{mm}$ Thickness (Nominal): $\geq 1.5\text{mm}$	Passes Requirements (Nominal)
			<b>Commercial - Very Heavy (Class 33)</b> Wear Layer (Nominal): $\geq 0.50\text{mm}$ Thickness (Nominal): $\geq 2.0\text{mm}$	Passes Requirements (Nominal)
			<b>Light Industrial - Heavy (Class 43)</b> Wear Layer (Nominal): $\geq 0.70\text{mm}$ Thickness (Nominal): $\geq 2.0\text{mm}$	Passes Requirements (Nominal)
Size and Straightness	ISO24342		Size: $\leq 0.15\%$ from Nominal Straightness: If Size $\leq 400\text{mm}$ : $\leq 0.25\text{mm}$ If Size $> 400\text{mm}$ : $\leq 0.35\text{mm}$	Deviation range: X Direction: $0.00\text{mm} \sim +0.10\text{mm}$ Y Direction: $0.00\text{mm} \sim +0.05\text{mm}$
Thickness	ISO24346		Average (from Nominal): $+0.13\text{mm} / -0.10\text{mm}$ Any Sample (from Average): $\pm 0.15\text{mm}$	Ave: $\pm 0.03\text{mm}$
Dimensional Stability	ISO23999		$\leq 0.15\%$	0.02%
Curling	SO23999	N/A	$\leq 1.2\text{mm}$	0.07mm
Flexibility	EN 435		No cracks (20mm Mandrel)	Passes Requirements
Residual Indentation	ISO24343		$\leq 0.1\text{mm}$	0.01mm
Castor Chair	ISO 4918		After 25,000 cycles: Delamination - None Appearance $\leq$ "Slight Change"	Surpasses Requirements
Colour Fastness to Light	ISO 105-B02, Method 3		$\geq$ Grade 6	Grade 6
Reaction to Fire (and Smoke Production)	EN 13501-1		<b>B<sub>fl</sub> - s1 Classification</b> Critical Flux: $\geq 8.0\text{kW/m}^2$ Flame Spread: $\leq 150\text{mm}$ within 20s Smoke value as % x min: $\leq 750$	B <sub>fl</sub> -S1
Formaldehyde Emission	EN 14041		<b>Class E0:</b> Release $\leq 0.05\text{mg/m}^3$	ND
Slip Resistance (Dry)	EN 14041		<b>Class DS:</b> Coefficient of Friction $\geq 0.30$	X Direction: 0.40 Y Direction: 0.41

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Chemical Resistanc	EN 423		N/A	No effect
Thermal Resistance	EN 14041		N/A	<b>EN 14041</b> 0.098 W / mK at 25°C
Abrasion / Wear Resistance	EN 660-2		N/A	$F_v \leq 2.0 \text{mm}^3 / 100\text{r}$
Determination of Impact Sound Insulation Class Airborne sound transmission loss test and class	ASTM E492-09(2016) ASTM E989-06(2012) ASTM E413-16		N/A	IIC = 75 dB STC = 73dB
Product-Content Safety	REACH SVHC 1 63	N/A	N/A	$\leq 0.01$ Passes Requirements