

WPC-Technical Datasheet

Test Standards - Safety and Performance

	Standard	Requirement	Result
Side length	ISO 24342	Deviation $\leq 0.15\%$ of nominal length up to 0.5 mm maximum	Pass
Width	ISO 24342	Deviation $\leq 0.10\%$ up to 0.5 mm maximum	Pass
Squareness and straightness	ISO 24342	$\leq 0.35\text{mm}$	Pass
Overall thickness	ISO 24346	Average + 0.13 /-0.1mm without underlayment Average + 0.20 /-0.20mm with underlayment	Pass
wear layer thickness	ISO 24340	Average +13% /-10%no more than 0,05 mm or 15 % below the mean	Pass
Total mass per unit area	ISO 23997	Nominal value +13% /-10%	Pass
Dimensional stability	ISO 23999	$\leq 0.20\%$ (70°C6h)	Pass
Curling after exposure to heat	ISO 23999	$\pm 2.0\text{mm}$	Pass
Residual indentation	ISO 24343-1	$\leq 0.10\text{ mm}$	Pass
Effect of castor chair	ISO4918	≥ 25000 cycles,No damage without underlayment ≥ 15000 cycles,No damage with underlayment	Pass
Colorfastness to light	ISO 105-B02	≥ 6 grade	Pass
Opening Between Elements	ISO10582	Average $\leq 0.10\text{ mm}$, Individual values $\leq 0.15\text{ mm}$	Pass
Height Difference	ISO10582	Average $\leq 0.10\text{ mm}$, Individual values $\leq 0.15\text{ mm}$	Pass
Abrasion Resistance	EN 13329 (S-42, 200 cycle change)	IP ≥ 4000 cycles 0.5mm Wear layer IP ≥ 1800 cycles 0.3mm Wear layer	Pass
Gloss Retention	EN16094 A	Rating 1	Pass
Micro-scratch Resistance	EN16094 B	$\geq$ Rating 2	Pass
Scratch Resistance	ISO1518-1	$\geq 2000\text{g}$	Pass
Gloss	ISO 2813	± 2	Pass
Click strength	ISO10582	$\geq 2\text{ kN/m}$	Pass
Peeling resistance	ISO24345	$\geq 50\text{N}/50\text{mm}$	Pass
Furniture Leg	EN424	Type 0 No damage	Pass
Resistance to chemicals	ISO26987	Class 0	Pass
Fire classifiacion	EN 13501-1	Bf1-S1	CE Pass
Formaldehyde emission	EN 717-1	E1	CE Pass
Heavy metal	EN 71-3 ASTM F963	ND	Pass
Phthalate	CPSC-CH-C1001-09.3	DBP,DEHP,BBP,DINP, DNOP, DIDP,DIBP,DnHP,DCHP $\leq 0.1\%$	ND,Pass
TVOC emission	AGBB、A+	Pass	Pass
Slip resistance	EN 13893	DS ≥ 0.3	Pass
Slip resistance	DIN 51130	$\geq R9$	Pass
Sound impact absorption	ISO717-2	with underlayment	$\Delta\text{LW}=19\text{dB}$