

Serial	Properties		Standard	Value	
1	Dimensions	Length	ISO24342/ASTM F2055	± 0.50 mm	
		Width		± 0.20 mm	
2	Overall Thickness		ISO24346 /ASTM F386	Average + 0.13 /-0.1mm	
3	Squareness	Length	ISO24342/ASTM F2055	≤ 0.15 mm	
		Width		≤ 0.10 mm	
4	Dimensional Stability (6h - 80°C)		ISO23999/ASTM F2199	≤ 0.15 %	
5	Curl (6h - 82°C)		ISO23999/ASTM F2199	± 2.0 mm	
6	Flexibility		ISO24344/ASTM F137	Through the 1 inches diameter mandrel, the floor specimen has no crack or break.	
7	Colour Fastness		ISO 105 B02/ASTM F1515	≥ 6/Δ E≤8	
8	Abrasion Resistance		EN660-2	Pass	
9	Wear Layer Abrasion Resistance		EN 13329 (S-42, 200 cycle change)	IP≥4000cycles(0.55mm wear layer),	
				IP≥1800cycles(0.30mm wear layer)	
10	Castor Resistance		ISO4918	No visible damage after 25000 revolutions	
11	Height Difference		ISO10582 / EN13329	Average ≤ 0.10 mm, Individual values ≤ 0.15 mm	
12	Gloss Retention		EN 16094A	Rating 1	
13	Micro-scratch Resistance		EN 16094B	≥ Rating 2	
14	Resistance to Chemicals		ISO26987 / ASTM F925	Class 0 / Excellent	
15	Sound Absorbtion		DIN 52210	< 4dB	
16	Impact Insulation Class		ASTME492	IIC47	
17	Sound Transmission Class		ASTM E90	STC50	
18	Burning Behaviour		EN 13501-1	Bfl - s1	
19	Slip Resistance		EN 13893	DS	
20	Static Coefficient of Friction		ASTMD2047	Dry: 0.37 / Wet 1 : 0.69	
21	Thermal Conductivity		EN 12667	0.1167 W/(m·K)	
22	Thermal Resistance		EN 12667	0.0364 (m 2 ·K) /W	
23	Suitable for Underfloor Heating		N/A	Yes	
				28 °C MAX	
24	Toxicity		EN 71	Non Toxic	
25	VOC Emission		AgBB/DIBt	Certified	
26	Electrical Resistance		EN 1081	Horizontal:>1,0x1016 OHM	
				Vertical: 5,1 x1012 OHM	
27	Formaldehyde emission		EN 717-1	E1	
28	Antistatic Performance		EN 1815	PVC SOLE: + 3,5 KV	
29	Phthalate		CPSC-CH-C1001-09.3	DBP, DEHP, BBP, DINP, DNOP, DIDP, DIBP, DNHP, DCHP≤0.1%	
30	Heavy Metals		ASTM F963 CPSC-CH-E1002-08.3	Total Lead (Pb)	≤100PPm
				SOL. Lead (Pb)	≤90PPm
				SOL. Mercury (Hg)	≤60PPm
				SOL. Chromium (Cr)	≤60PPm
				SOL. Arsenic (As)	≤25PPm
				SOL. Antimony (Sb)	≤60PPm
				SOL. Barium (Ba)	≤1000PPm
				SOL. Selenium (Se)	≤500PPm
				SOL. Cadmium (Cd)	≤75PPm