

Serial	Properties		Standard	Value	
	Dimensions	Length	ISO24342/ASTM F2055	± 0.50 mm	
		Width		± 0.20 mm	
	Overall Thickness		ISO24346 /ASTM F386	Average + 0.13 /-0.1mm	
3	Squareness	Length	ISO24342/ASTM F2055	≤ 0.35 mm	
		Width		≤ 0.25 mm	
4	Dimensional Stability (6h - 80°C)		ISO23999/ASTM F2199	≤ 0.15 %	
5	Curl (6h - 80°C)		ISO23999/ASTM F2199	± 2.0 mm	
6	Flexibility		ISO24344/ASTM F137	Through the 4 inches diameter mandrel, flooring 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≥4000 cycles (0.55mm wear layer), IP≥1800 cycles (0.30mm wear layer)	
10	Castor Resistance		ISO4918	No visible damage after 25000 revolutions	
11	Opening Between Elements		ISO10582/EN13329	Average ≤ 0.10 mm, Individual values ≤0.15 mm	
12	Height Difference		ISO10582/EN13329	Average ≤ 0.10 mm, Individual values ≤0.15 mm	
13	Gloss Retention		EN 16094A	Rating 1	
14	Micro-scratch Resistance		EN 16094B	≥ Rating 2	
15	Resistance to Chemicals		ISO26987 / ASTM F925	Class 0 / Excellent	
16	Sound Absorbtion		DIN 52210	< 4dB	
17	Impact Insulation Class		ASTM E492	IIC47	
18	Sound Transmission Class		ASTM E90	STC50	
19	Burning Behaviour		EN 13501-1	Bfl - s1	
20	Slip Resistance		EN 13893	DS	
21	Static Coefficient of Friction		ASTM D2047	Dry: 0.37 / Wet 1 : 0.69	
22	Thermal Conductivity		EN 12667	0.1167 W/(m·K)	
23	Thermal Resistance		EN 12667	0.0364 (m 2 ·K) /W	
24	Residual Indentation		ISO24343-1 /ASTM F1914	≤ 0.10 mm/average less than 8 %, maximum single reading 10 %	
25	Suitable for Underfloor Heating		N/A	Yes	
				28 °C MAX	
26	Toxicity		EN 71	Non Toxic	
27	VOC Emission		AgBB/DIBt	Certified	
28	Electrical Resistance		EN 1081	Horizontal:> 1,0x1016 OHM	
				Vertical: 5,1 x1012 OHM	
29	Formaldehyde emission		EN 717-1	E1	
30	Antistatic Performance		EN 1815	PVC SOLE: + 3,5 KV	
31	Phthalate		CPSC-CH-C1001-09.3	DBP, DEHP, BBP, DINP, DNOP, DIDP, DIBP, DNHP, DCHP≤0.1%	
32	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				