

	Property	Result	Test Method	Tested by (Report No. & Date)	
<b>Mechanical Properties</b>	Flexural Strength, Map	40.9 MPa	ASTM D 6109 - 10	SGS Report No. GZMR111125940 Dec 06, 2011	
	Flexural Modulus	4290 MPa			
	Maximum Tensile Force	1617 N	ASTM D 638 - 10		
	Coefficient Of Linear Thermal Expansion	59.27 um/m/°C	ASTM D 696 - 08		
	Water Absorption	0.28 %	ASTM D1037-06a		
<b>Safety Features</b>	Horizontal Burning	HB	ASTM D635-10	SGS Report No. GZMR120510559 June 18, 2012	
	Vertical Burning	V0	UL94v	University Sciences Malaysia	
	Anti-Slip, Coefficient Of Friction	1.07 (Static)	ASTM D2394 : 2005	TUV Report No. 7191036804 June 29, 2012	
0.73 (Kinetic)					
<b>Weathering &amp; Stain</b>	Color Degradation	4 -5	NF EN ISO 4892 - 2	TUV Report No. TPS-F-366024#02 Jan 31, 2013	
	Gap Of Color	Good	NF EN ISO 105 - J03		
	Biological Agent Resistance	Good			
	Engine Oil Stain	Good			
<b>Mechanical Resistance</b>	Brinell Hardness	4.66 HB	NF B51 -126		
	Stripe Resistance	4H Lengthwise	EN 15184 : 1998		
		5H Crosswise			
	Under Load Stiffness	Divided Load 0.3mm	NF EN 660 - 2		
		Located Load 0.7mm			
Abrasion Resistance	Flat surface 69.7 mg				
	Reeded surface 41.5 mg				
<b>Material</b>	Specific Gravity	1.4 g/cm <sup>3</sup>		ASTM D 1505	
	Heat Deflection Temperature	45 °C	ASTM D648		
	Vicat Softening Point	82 °C	ASTM D1525		
<b>Environmental Friendly RoHS Compliance Non High Metal Non Toxic</b>	Total Volatile organic compounds (TVOC)	0.15 mg per m <sup>3</sup> per hour	ASTM D 5116- 06	TUV SUD PBS Singapore Report No. 7191039082-CHM12 Aug 16, 2012	
	Emission Rate				
	Formaldehyde Emission Rate				<0.01 mg per m <sup>3</sup> per hour
	Phenyl cyclohexene Emission Rate				No Detected
	Total Phthalate Emission Test				< 0.003 mg per m <sup>3</sup>
	Total Particles Emission Test				0.01 mg per m <sup>3</sup>
	Cadmium (Cd)	Not Detected	Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-AES)		
	Lead (PB)	Not Detected			
	Arsenic (As)	Not Detected			
	Mercury (Hg)	Not Detected			
	Hexavalent Chromium (Cr 6+)	Not Detected	UV- Vis Spectrometer		
	Halogenated Solvents	Not Detected	Headspace- Gas Chromatography with Mass Selective Detector (GC- MSD)		
	Aromatic Solvents	Not Detected			
	RoHS Directive 2011/65/EU	Not Detected			2002/95/EC
	Made from 50% Recycled Content	Passed			SGS Report No. LPCI/24007/11 Green Certificate No. 043-067