

Property	Unit	Ref. Standard	Value
Physical			
Density	g / cc	DIN 53479	1.40 – 1.46
Hardness	Shore 'D'	DIN 53505	80
Water Absorbtion	%	DIN 53495	0.1
Mechanical			
Tensile Strength	MPa	DIN 53455	> 45
Elongation	%	DIN 53455	> 60
E-Modulus	MPa	DIN 53457	3000
IZOD Impact Strength	KJ/M ²	ASTM D 256	No Break
CHARPY Impact Strength	KJ/M ²	DIN 53253	> 7.5
Flexural Strength	MPa	DIN 53452	80
Drop Impact Strength (Height: 1.8m & Mass: 0.3* Thickness)	--	IS 6307	Passes
Compressive Strength at 10% Deformation	MPa	DIN 53421	60
Thermal			
VICAT (B/50)	°C	DIN 53460	80
Heat Deflection Temperature @1.8 MPa	°C	DIN 53461	65
Coefficient of Linear Thermal Expansion	°C ⁻¹	ASTM D 696	7.07 x 10 ⁻⁵
Electrical			
Surface Resistivity	Ω	ASTM D 257	2.8 x 10 ¹⁶
Volume Resistivity	Ω - cm	ASTM D 257	8.1 x 10 ¹⁵
Dielectric Constant at 1MHZ Dielectric Strength	-	ASTM D 150	3.13
Dimensional Change	KV/mm	DIN IEC 243	16.8
At 120 ± 2 °C	%	BS 3757	< 15
Flammability			
Country			
UK	-	BS476; Part 7	Class 1Y 94 V – 0
USA	-	UL 94	94 5 - V

Standard Dimensions and Colour			
Colour	Thickness	Width	Length
Grey – J 7011 & White – J 7020	2 to 12.7mm	1000, 1220 & 1500mm	2000, 2440 & 3000mm
<i>Special lengths and widths as per customer's request</i>			

Tolerance on dimensions		
Length	Width	Thickness
- 0, + 10 MM	- 0, + 5 MM	+ 10 %

PVC Rigid Sheet is free of Lead, Cadmium and Barium metals.