

Technical datasheet for: PVC solid sheet

Product Range

Code	Colour	Thickness	Std. Width		Std. Length	
			mm	inch	mm	inch
J7011 J7010	Grey	2 to 12.7mm	1000	39	2000	79
J7016 J7032	White		1220 1500	48 59	2440 3050	96 120

Properties are based on 3 mm sheet

Technical Properties

Properties	Test	Unit	Value
Physical			
Density	DIN53479	g/cc	1.40 to 1.46
Hardness	DIN53505	Shore D	80
Hardness Water Absorption	DIN53490	%	0.1
Mechanical			
Tensile Strength	DIN53455	MPa	≥ 45
Elongation at Break	DIN53455	%	≥ 60
E Modulus	DIN 53457	MPa	2500 - 3000
Charpy Impact Strength	DIN 53253	KJ/M ²	≥ 7.5
Izod Impact Strength	ASTM D256	KJ/M ²	No Break
Charpy Impact Strength	DIN 53253	KJ/M ²	> 7.5
Flexural Strength	DIN 53452	MPa	80
Drop Impact Strength (Height : 1.8 m & mass : 0.3 kg x thickness)	IS 6307	--	Pass
Compressive Strength at 10% Deformation	DIN 53421	MPa	60
Thermal			
Vicat (B/50)	DIN 53460	°C	80
Heat Deflection Temperature @ 1.8 MPa	DIN 53461	°C	65
Coefficient of linear Thermal Expansion	ASTM D 696	°C ⁻¹	7.07 x 10 ⁻⁵
Electrical			
Surface Resistivity	ASTM D 257	W	2.8 X 10 ¹⁶
Volume Resistivity	ASTM D 257	W-cm	8.1 x 10 ¹⁵
Dielectric Constant at 1 MHZ	ASTM D 150	-	3.13
Dielectric Strength	DIN IEC 243	KV/mm	16.8
Dimensional Change at 120 ± 2°C	BS 3757	%	≤ 15
Flammability			
UK	BS 476 Part 7		Class 1 Y
USA	UL 94		V 0

** 3 mm

¹ All data quoted on this data sheet is for guidance only.

² Material safety data sheet available on request.