



PVC RIGID SHEET

PVC RIGID SHEET IS FREE OF LEAD, CADMIUM & BARIUM METALS.

PROPERTY	UNIT	REF. STANDARD	VALUE
PHYSICAL			
DENSITY	g / cc	DIN 53479	1.40 – 1.46
HARDNESS	SHORE 'D'	DIN 53505	80
WATER ABSORPTION	%	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
VICAT (B/50) @1.8 MPa	° C	DIN 53461	65
COEFFICIENT OF LINEAR THERMAL EXPANSION	mm / m ° C	ASTM D 696	0.08
Sheet surface temperature for continuous application	° C	--	Max 50

ELECTRICAL

SURFACE RESISTIVITY	Ω	ASTM D 257	2.8X10 ¹⁶
VOLUME RESISTIVITY	Ω-cm	ASTM D 257	8.1X10 ¹⁵
DIELECTRIC CONSTANT at 1MHZ	-	ASTM D 150	3.13
DIELECTRIC STRENGTH			
DIMENSIONAL CHANGE	KV/mm	DIN IEC 243	16.8
At 120 ± 2 ° C	%	BS 3757	≤15

FLAMMABILITY

COUNTRY			
UK	-	BS476;PART 7	CLASS 1Y
USA		UL 94	94 V – 0 94 5 – V

STANDARD DIMENSIONS AND COLOR

- COLOUR : J 7011, J 7032, J 7016 & J 7020
- THICKNESS : 2 to 12.7 MM
- WIDTH : 1000, 1220 & 1500 MM
- LENGTH : 2000, 2440 & 3000 MM
- SPECIAL LENGTHS & WIDTHS AS PER CUSTOMER'S REQUEST.

TOLERANCE ON DIMENSIONS

- LENGTH : - 0, + 10 MM
- WIDTH : - 0, + 5 MM
- THICKNESS : ± 10 %