



Property	Unit	Ref. Standard	Value
<b>Physical</b>			
Density	g / cc	DIN 53479	0.55
Hardness	Shore 'D'	DIN 53505	70
Water Absorbtion	%	DIN 53495	0.1
<b>Mechanical</b>			
Tensile Strength	MPa	DIN 53455	> 13
Elongation	%	DIN 53455	> 15
E-Modulus	MPa	DIN 53457	1150
CHARPY Impact Strength	KJ/M <sup>2</sup>	DIN 53253	> 15
Flexural Strength	MPa	DIN 53452	> 30
Compressive Strength at 10% Deformation	MPa	DIN 53421	> 3
<b>Thermal</b>			
VICAT (B/50)	°C	DIN 53460	> 75
Heat Deflection Temperature @1.8 MPa	°C	DIN 53461	~ 60
Coefficient of Linear Thermal Expansion	°C <sup>-1</sup>	ASTM D 696	5.56 x 10 <sup>-5</sup>
Thermal Conductivity	W/m K	ASTM C 177	0.1
Rate of heat transfer ('K' / 'U' VALUE)	W/m <sup>2</sup> K	DIN 52616	3.0 for 10 mm
			2.0 for 19 mm
			1.6 for 24 mm
			1.35 for 30 mm
<b>Electrical</b>			
Surface Resistivity	Ω	ASTM D 257	> 10 <sup>14</sup>
Volume Resistivity	Ω - cm	ASTM D 257	> 10 <sup>15</sup>
Dielectric Constant at 1MHZ Dielectric Strength	-	ASTM D 150	1.7
<b>Flammability</b>			
Country			
UK	-	BS476; Part 7	Class 1
USA	-	UL 94	94 5 - O 94 5 - V
France		NFP 92 - 501	M1

<b>Standard Dimensions and Colour</b>			
Colour	Thickness	Width	Length
White – J 1054	10, 13, 14, 16, 19, 24, 25 & 30 mm	1000 ,1220 & 1250 mm	2000, 2440, 2500, 3000, 4880 & 5490 mm
<i>Special lengths and widths as per customer's request</i>			

<b>Tolerance on dimensions</b>		
Length	Width	Thickness
- 0, + 10 mm	± 5 mm	± (0.1 + 0.05 x S) <i>Where S = Thickness of sheet</i>

EX-CEL PVC Integral Foam Sheet is free of Lead, Cadmium and Barium metals.

All information given for properties are based on a typical sample, is accurate to the best of our knowledge, and is provided without liability or commitment whatsoever. In as much as Jain Irrigation Systems Limited has no control over the use to which others put its material, it does not guarantee that the same results as those described here, will be obtained. Each user of the material should make their own test in their local conditions to confirm the suitability of our product for particular use. Technical specifications are subject to change.