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Thermoplastic Sheets for Construction, Industry, Advertising and Agriculture

PALIGHT

Foamed Flat PVC Sheet

Product Description:

Profile	Foamed Flat PVC sheets
Colors	White, gray, red, blue, yellow, green and black.
Thickness	White 1.0-19.0 mm Colors 3,5 and 6mm
Width (Standard sizes)	1220 mm 2030 mm
Service temp.	-10 – 55°C

- Custom colors and sizes are available upon request, possibly subject to minimum order size.

Typical Properties:

Property	(Method)	Conditions	Unit	Value	
Sheet Thickness				3mm	10mm
Physical					
Specific gravity	(D-1505)		g/cm ³	0.58-0.62	0.50-0.54
Water absorption	(D-570)	24 hr @ 23 °C	%	0.5	0.8
Mechanical – Machine direction					
Flexural strength at yield	(D-790)	1 mm/min	MPa	27-28	21-22
Impact strength notched – Izod	(D-256)	23 °C	J/m	33-35	N/A
Impact strength notched – Charpy	(D-256)			27-29	16-17
Impact falling weight	(ISO-6603/1)		J	1-2	8-9
Thermal					
Service temperature range			°C	-10 - 55	
Heat deflection temperature	(D-648)	Load: 1.82 MPa	°C	59-63	
VICAT softening temperature	(D-1525)	Load: 1 Kg	°C	74-75	
Coefficient of linear thermal expansion	(D-696)		10 ⁻⁵ /°C	6.7	
Thermal conductivity	(C-177)		W/mk	0.07	
Electrical					
Surface resistance	(D-257)		Ohm	5X10 ¹⁵	
Volume resistance	(D-257)		Ohm-cm	2.6- 21X10 ¹⁵	