Data Sheet - PALFOAM™

Low Weight Flat Foamed PVC Sheet

Product Definition
Low weight flat foamed PVC sheet

Thickness Range
2 to 10mm

Colors
White

Width (standard sizes)
1220 mm
1560 mm
2030 mm

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

Flammability

Standard	Classification
EN 13501	B, s2, d0

- All the above depends on thickness, for additional information please contact PALRAM.

Typical Physical Properties

Property	Standard	Conditions	Unit	Value	
Thickness				3mm	10mm
Physical					
Specific gravity	ASTM D-1505		g/cm^3	0.56	0.49
Water absorption	ASTM D-570	24 hr @ 23°C	%	0.5	0.8
Mechanical – Machine direction					
Flexural modulus	ASTM D-790		MPa	1250	1050
Shore hardness	ASTM D-790			70-80	
Impact strength - Charpy	ASTM D-256	23°C		14	20
Thermal					
Service temperature range			C°	-10 to 55	
Heat deflection temperature	ASTM D-648	Load: 1.82 MPa	C°	59-63	
VICAT softening temperature	ASTM D-1525	Load: 1 Kg	C°	74-78	
Coefficient of linear thermal expansion	ASTM D-696		10^{-5}/°C	6.7	
Thermal conductivity	ASTM C-177		W/mk	0.07	
Electrical					
Surface resistance	ASTM D-257		Ohm	$5X10^{15}$	
Volume resistance	ASTM D-257		Ohm-cm	$2.6\text{-}21X10^{15}$	

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