

Data Sheet - PALIGHT® LW

Low Weight Flat Foamed PVC Sheet

Product Definition

Low weight flat foamed PVC sheet

Thickness Range

2 to 10mm

Colour

White

Standard Width (mm)

1220 / 1560 / 2030

Typical Physical Properties

Property	Standard	Conditions	Unit	Value
Specific gravity	ASTM D-792		g/cm ³	0.45
Water absorption	ASTM D-570	24 hr @ 23°C	%	0.8
Flexural modulus	ASTM D-790		MPa	1000
Shore hardness	ASTM D-790			30
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°	69
Coefficient of linear thermal expansion	ASTM D-696		10 ⁻⁵ /°C	6.7
Thermal conductivity	ASTM C-177		W/mk	0.07
Surface resistance	ASTM D-257		Ohm	>10 ¹²
Surface tension	ASTM D-257		Dyne/cm	38-40

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