

# Data Sheet - PALIGHT®

## Flat Foamed PVC Sheet



### Product Definition

Flat foamed PVC sheet

### Thickness Range

1 to 25 mm

### 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-c, s2-3, d0

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

### Typical Physical Properties

Property	Standard	Conditions	Unit	Value	
Thickness				3mm	10mm
<b>Physical</b>					
Specific gravity	ASTM D-1505		g/cm <sup>3</sup>	0.57	0.50
Water absorption	ASTM D-570	24 hr @ 23°C	%	0.5	0.8
<b>Mechanical – Machine direction</b>					
Flexural modulus	ASTM D-790		MPa	1400	1100
Shore hardness	ASTM D-790			70-80	
Impact strength - Charpy	ASTM D-256	23°C		16	22
<b>Thermal</b>					
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°	75	
Coefficient of linear thermal expansion	ASTM D-696		10 <sup>-5</sup> /°C	6.7	
Thermal conductivity	ASTM C-177		W/mk	0.07	
<b>Electrical</b>					
Surface resistance	ASTM D-257		Ohm	5X10 <sup>15</sup>	
Volume resistance	ASTM D-257		Ohm-cm	2.6-21X10 <sup>15</sup>	