Data Sheet

Flat Solid Polycarbonate Sheet

Product Definition

Co-extruded UV protection on one side

Thickness Range

0.8 to 15 mm

Flammability

Standard	Classification
EN 13501	B, s1, d0
NSP 92501, 4	M2
UL Classified	File e221255

**All the above depends on thickness.*
For additional information please contact PALRAM.

Typical Physical Properties

Property	Standard	Conditions	Unit	Value
Density	ASTM D792		g/cm^3	1.2
Heat Deflection Temperature	ASTM D648	1.82 MPa	^oC	130
Service Temperature Range			^oC	-40 to 120
Coefficient of Linear Thermal Expansion	ASTM D696		cm/cm ^oC	6.5 X 10^{-5}
Thermal Conductivity	ASTM C177		W/mK	0.21
Tensile Strength at Yield	ASTM D638	10 mm/min	MPa	65
Tensile Strength at Break	ASTM D638	10 mm/min	MPa	60
Elongation at Yield	ASTM D638	10 mm/min	%	6
Elongation at Break	ASTM D638	10 mm/min	%	>90
Tensile Modulus of Elasticity	ASTM D638	1 mm/min	MPa	2300
Flexural Strength	ASTM D790	1.3 mm/min	MPa	100
Flexural Modulus	ASTM D790	1.3 mm/min	MPa	2600
Impact Falling Weight (E-50)	ISO 6603/1	3mm sheet	J	158
Rockwell Hardness	ASTM D785		R Scale	125R
Light Transmission	ASTM D1003	3mm sheet	%	89
Haze	ASTM D1003	3mm sheet	%	<0.5
Yellowness Index	ASTM D1925	3mm sheet		<1