Data Sheet - PALSUN® UV2

Flat Solid Polycarbonate Sheet

Product Definition

PALSUN® UV2 - Co-extruded UV protection on both sides

Thickness Range

1 to 12 mm

Flammability

Standard	Classification
BS 476/7	Class 1Y
NSP 92501, 4	M1, M2
DIN 4102	B1, B2
CSE RF 2/75/A | CSE RF 3/77	Class 1
UL Classified	File e221255
ASTM D635	CC1

**All the above depends on thickness.*
For additional information please contact plastock.co.uk.

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	6.5×10^{-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