

Product Definition

PALSUN® - Co-extruded UV protection on one side

Thickness Range

1 to 12 mm

Flammability

Standard	Classification
EN 13501	B ,s1 ,d 0
NSP 92501,4	M2
DIN 4102	B1,B2
BS 476/7	Class 1Y
UL Classified	File e221255
ASTM D635	CC1

All the above are dependent on thickness
For additional information please contact Sheet Polycarbonate

Typical Physical Properties

Property	Standard	Conditions	Unit	Value
Density	ASTM D792		g/cm ³	1.2
Heat Deflection Temperature	ASTM D648	1.82 MPa	0C	130
Service Temperature Range			0C	-40 to120
Coefficient of Linear Thermal Expansion	ASTM D 696		cm/cm 0C	6.5X10 ⁻⁵
Thermal Conductivity	ASTM C177		W/mK	0.21
Tensile Strength at Yield	ASTM D638	10mm/min	MPa	65
Tensile Strength at Break	ASTM D638	10mm/min	MPa	60
Elongation at Yield	ASTM D638	10mm/min	%	6
Elongation at Break	ASTM D638	10mm/min	%	>90
Tensile Modulus of Elasticity	ASTM D638	1mm/min	MPa	2300
Flexural Strength	ASTM D790	1.3mm/min	MPa	100
Flexural Modulus	ASTM D790	1.3mm/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
Yelowness Index	ASTM D1925	3mm sheet		<1