



Sunlite Multiwall Polycarbonate Sheets

Palsun delivers the transparency of glass at less than half the weight combined with the strength of steel. Palsun can be cold bent, fabricated and/or formed, making it ideal for applications such as barrel vault roofing, roof (sky) lights, architectural roofing and glazing. Clear, translucent or opaque Palsun sheets can also be used for machine guards and safety glazing.

Features at a Glance

- Superb impact resistance – practically unbreakable
- High clarity and light transmission
- Weather and UV resistant
- Wide service temperature range
- Protects against harmful UV radiation
- Good acoustical insulation
- Light weight
- Easy to handle and install
- Flexible, formable and machinable
- ISO 9001:2000 Certified Quality Assurance



Physical Properties	Methods	Conditions	Units	Value
Density	D 792	-	g/cm ³	1.2
Heat Deflection Temperature	D 648	Load 1.82 MP	°C	135
Service Temperature – Short Term	-	-	°C	-50 to +120
Service Temperature – Long Term	-	-	°C	-50 to +100
Coefficient of Linear Thermal Expansion	D 696	-	cm/cm °C	6.5 X 10 ⁻⁵
Tensile Strength at Yield	D 638	10 mm/min	MPa	62
Elongation at Break	D 638	10 mm/min	%	>90
Tensile Modulus of Elasticity	D 638	10 mm/min	MPa	2,000
Impact Falling Dart	ISO 6603/1		J	40-400
Practical Thermal Expansion/Contraction	-	-	Mm/m	3

Flammability Properties	Classification
EN 13501	B, s1, d0
BS 476/7	Class 1
DIN 4102	B-1 (10 & 16mm Triple Wall)
NSP 92501	M-1, M-2
ASTM E-84	Class A
ASTM D-635	CC-1 (Sunlite SL)