

SCRATCH RESISTANT POLYCARBONATE

Clear abrasion + enhanced
UV resistant

VALUES

UNIT

TEST METHOD

PHYSICAL PROPERTIES

Density	1.19	g/cm ³	ISO 1183-1
Notched Impact strength (CHARPY)	ca.11	kJ/m ²	ISO 179/1eA
Tensile Strength 23°C	>60	MPa	ISO527-2/1B/50
Limiting Flexureal Stress	ca.90	MPa	ISO 178
Elongation at Break	>70	%	ISO 527-2 1B/50
Tensile Modulus of Elasticity	2,400	MPa	ISO527-2/1B/1
Moisture Absorption			
After storage in stand.climate 23°/50%	0.15	%	ISO 62-4
After storage in water at 23 °C	0.35	%	ISO 62-1
Until saturation			

Data Sheet

FURTHER INFORMATION

Fire Rating

Oxygen Index (LOI)	25-27%	ISO 4589-2 method A B2	3-12mm DIN 4102
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Thermal Properties

Co efficient Linear expansion	0.065	mm/mK	DIN 53752-A
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Heat Deflection Temperature

Method A:1,80 Mpa	127	°C	ISO 75-2
Method B:0,45 Mpa	139	°C	ISO 75-2

Optical Properties

Light Transmission Based upon 6mm thick	86	%	DIN 5036
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Technical

The above data is based on present knowledge and is given without guarantee.

Existing laws and conditions are to be respected by the user of our products.

PARTWELL LIMITED
CUTTING TECHNOLOGY SPECIALISTS
ORDER TELEPHONE: 01254 671875

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