

# CLEAR POLYCARBONATE

Clear UV Stabilized	VALUES	UN IT	TEST METHOD
<b>PHYSICAL PROPERTIES</b>			
Density	1.2	g/cm <sup>3</sup>	ISO 1183
Notched Impact strength (CHARPY)	~10	kJ/m <sup>2</sup>	ISO 179 / 1eA (4mm)
Tensile Strength	50-80	MPa	ISO 527-2 / 1B / 50
Limiting Flexural Stress	90	MPa	ISO 178
Elongation at Break	>60	%	ISO 527-2 / 1B / 50
Tensile Modulus of Elasticity	2,400	MPa	ISO 527-2 / 1B / 50
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			
<b>FURTHER INFORMATION</b>			
<b>Fire Rating</b>			
Oxygen Index (LOI)	25-27	%	ISO 4589
	B1	1-4mm	DIN 4102/part 1
	B2	5mm	DIN 4102/part 1
<b>Thermal Properties</b>			
Co efficient Linear expansion	0.065	mm/m °C	DIN 53752-A
Heat Deflection Temperature Under load			
Method A:1,81 MPa	135-140	°C	ISO 75
<b>Optical Properties</b>			
Light Transmission	88	%	DIN 5036
Based upon 3mm thick			

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.