

PLASTIC 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	Ca.11	kJ/m ²	ISO 179/1eA
Tensile Strength 23°C	>60	MPa	ISO527-2/1B/50
Limited 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			

Technical Data Sheet

FURTHER INFORMATION

Fire Rating				
Oxygen Index (LOI)	25-27%	ISO 4589-2 method A B2	3-12mm	DIN 4102
Thermal Properties				
Co efficient Linear expansion	0.065		mm/mK	DIN 53752-A
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	86		%	DIN 5036

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