



Technical Details of Extruded Acrylic sheet

GENERAL				
General Properties	Conditions	Test Method	Unit	Value
Density		ISO 1183	g/cm ³	1,19
Water Absorbsion (24h)	23 °C / 50% RH (24h)	ISO 62	%	0,3
Moulding Shrinkage		ASTM D-955	%	0,2-0,6
MECHANICAL				
General Properties	Conditions	Test Method	Unit	Value
Tensile Strength at Break	23 °deg;C	ISO 527-2	MPa	83
Econgation at Break	23 °C	ISO 527-2	%	7
Tensile Modulus	23 °C	ISO 527-2	MPa	3200
Fluexural Strength at Break	23 °C	ISO 178	MPa	120
Flexural Modulus	23 °C	ISO 178	MPa	330
Charpy Impact Strength with Notched	23 °C	ISO 178-1ea	kJ/m2	2
Izod Impact notched		ISO 178	kJ/m22,1	
Rockwell Hardness M Scale		ISO 2039-2	M-scale92	
THERMAL				
General Properties	Conditions	Test Method	Unit	Value
Vicat Temprature	50 N	ISO 306	°C	105
Deflection temperature under load	1,8 MPa	ISO 75	°C	100
Coefficeint of linear expansion		ISO 11359-2	mm/m°C	0,07
THERMAL				
General Properties	Conditions	Test Method	Unit	Value
Dielectrical Strength		DIN53481	kV/mm	20
Dielectrical Constantto	1 KHz	DIN53843		3,1