

# Acrylic Sheet Extruded Clear Technical Sheet



	Test	Unit	Value
Density	ISO 1183	g/cm <sup>3</sup>	1.19
Water Absorption 24h/23 °C-50x50x4mm <sup>3</sup>	DIN EN ISO 62 Method 1	%	0.2
Ball indentation hardness	ISO 2039-1	MPa	235
Forming temperature air pressure		°C	140-160
Forming temperature vacuum		°C	160-190
Moulding shrinkage		%	0.5-0.8
Tensile Strength	ISO 527-2	MPa	70
Elongation at break	ISO 527-2	%	4
Tensile Modulus	ISO 527-2	MPa	3200
Flexural Strength	ISO 178	MPa	115
Flexural Modulus	ISO 178	MPa	3300
Impact strength Charpy unnotched	ISO 179-1	KJ/m <sup>2</sup>	17
Impact strength Charpy notched	ISO 179-1	KJ/m <sup>2</sup>	2
Vicat Temperature (B 50)*	ISO 306	°C	105
Specific heat capacity	ISO 11357-4	J/gK	1.47
Linear thermal expansion	DIN 53752	K <sup>-1</sup> *x10 <sup>-5</sup>	7
Thermal Conductivity	DIN 52612	W/mK	0.18
Service temperature continuous use		°C	70
Max. temperature short term use		°C	90
Degradation temperature		°C	>280
Light transmission (3mm)	DIN 5036-3/ EN ISO 13468-2	%	92
Refractive index	ISO 489	n <sup>D</sup> 20	1.492

All The above information is for guide purposes only. The data has been taken from standard test results provided by manufactures.