



PMMA EXTRUDED SHEET TECHNICAL SPECT

	<u>CONDITIONS</u>	<u>TEST METHOD</u>	<u>UNIT</u>	<u>VALUE</u>
GENERAL PROPERTIES				
Density		ISI 1183	gr/cm ³	1,19
Water Absorbtion (24h)	23C / 50% RH (24h)	ISO 62	%	0,3
Moulding Shrinkage		ASTM D-955	%	0,2-0,6
MECHANICAL PROPERTIES				
Tensile Strength at Break	23 C	ISO 527-2	MPa	70
Elongation at break	23 C	ISO 527-2	%	5
Tensile Modulus	23 C	ISO 527-2	MPa	3300
Flexural Strength at Break	23 C	ISO 178	MPa	120
Flexural Modulus	23 C	ISO 178	MPa	3100
Charpy Impact Strength with Notched	23 C	ISO 179	kJ/m ²	1,40
Rockwell Hardness M Scale				100
THERMAL PROPERTIES				
Vicat Temperature	50 N	ISO 306	C	105
Deflection temperature under load	181,3 N/cm ²	ISO 75-1	C	99
HDT	1,8 N/mm	ISO 75	C	97
Coefficient of linear expansion		ISO 11359-2	mm/mC	0,07
OPTICAL PROPERTIES				
Light Transmission		ASTM D 1003	%	90 - 92
Refractive Index		ISO 489		1,49
ELECTRICAL PROPERTIES				
Dielectrical Strength		DIN 53481	kV/mm	20
Dielectric Constant	to 1 KHz	DIN 53483		3,1
FLAMMABILITY				
Fire Resistance		DIN 4102		Class B2

The information given in the above technical specification is based on the findings of our present knowledge and experience. It should be taken in to the consideration as a general guide not a binding specification. Işık Plastic has right to change the parameters of the specification according to technological or deveelopmental reasons. The specification implies no liability / legal responsibility on Işık Plastic part, also infringement of the third party's rights.