

# MI-7T

		CONDITIONS	TEST METHOD	UNITS	
<b>1 - GENERAL PROPERTIES</b>					
Density			ISO 1183	g/cm <sup>3</sup>	1,17
Water Absorption		23°C/50%HR	ISO 62	%	0,33
Mould Shrinkage	long.	mm	ASTM D-955	%	0,2-0,6
	transv.	mm			0,2-0,6
<b>2 - RHEOLOGICAL PROPERTIES</b>					
<b>Rheology</b>					
Melt Flow Index		230°C/3,8 kg	ISO 1133	g/10 min	1,8
<b>Process</b>					
Melt Temperature	mini			°C	225
	maxi				235
Mold Temperature	mini			°C	70
	maxi				80
Drying Conditions	time			h	4
	temperature			°C	85
<b>3 - MECHANICAL PROPERTIES</b>					
Rockwell Hardness			ASTM D-785		M-68
Tensile Strength		23°C	ISO 527-1	Mpa	48
Elongation at break		23°C	ISO 527-1	%	30
Flexural Modulus		23°C	ISO 178	GPa	2,4
Flexural Strength		23°C	ISO 178	Mpa	83
Compressive Strength		23°C	ISO 604	Mpa	78
Impact Resistance (Charpy, Notched)		23°C	ISO 179 1eU	kJ/m <sup>2</sup>	3
Impact Resistance (Charpy, Unnotched)		23°C	ISO 179 1eU	kJ/m <sup>2</sup>	35
Impact Resistane (Izod, Notched)		23°C	ISO 180/1a	kJ/m <sup>2</sup>	3,5
<b>4 - OPTICAL PROPERTIES</b>					
Refractive Index B			R-489		1,49
Light Transmittance			ASTM D-1003	%	92
Haze			ASTM D-1003	%	1,5
<b>5 - ELECTRICAL PROPERTIES</b>					
Dielectric Strength			ASTM D-149	MV/m	17,7
Dielectric Constant		60 Hz	ASTM D-150		3,8
Dissipation Factor		1 MHz	ASTM D-150		0,04
Surface Resistivity			ASTM D-527	Ohm	>10 <sup>14</sup>
Volume Resistivity			ASTM D-527	Ohm/cm	>10 <sup>15</sup>
<b>6 - THERMAL PROPERTIES</b>					
Vicat Softening Temperature		50 N	ISO 306	°C	103
HDT		1,82 Mpa	ISO 75-2	°C	93
		0,45 Mpa			98
Thermal Dilatation Coefficient		[-30°C;23°C]	ISO/DIS 11359-2	10 <sup>-6</sup> °C <sup>-1</sup>	80
<b>7 - FLAMMABILITY</b>					
Fire Resistance			ASTM UL/94	Classe	HB

(\*) The values quoted are the average of results obtained under laboratory conditions and are given only as an indication to enable customers to make use of our products

RHEOLOGY

