



**Typical Physical Properties  
Altuglas V150 and VM  
Acrylic Resin**

<b>PROPERTIES</b>	<b>TEST METHOD</b>	<b>UNIT</b>	<b>Altuglas V150</b>	<b>Altuglas VM</b>
<b>PHYSICAL</b>				
Melt Flow Rate (230°C / 3.8 kg)	ASTM D1238	g / 10 min	14.5	14.5
Specific Gravity	ASTM D792		1.19	1.19
Mold Shrinkage	ASTM D955	%	0.2-0.6	0.2-0.6
Water Absorption	ASTM D570	% weight gain	0.3	0.3
<b>MECHANICAL</b>				
Tensile Strength @ Maximum	ASTM D638	MPa	66	66
Flexural Strength, maximum	ASTM D790	MPa	97	97
Flexural Modulus	ASTM D790	MPa	3,100	3,100
Notched Izod (23°C)	ASTM D256	kJ/m <sup>2</sup>	1.2	1.2
Rockwell Hardness	ASTM D785	Mscale	89.0	89.0
<b>THERMAL</b>				
HDT (1820 kPa ; annealed)	ASTM D648	C	77	77
Vicat Softening Point (Rate A ; 1 kg)	ASTM D1525	C	88	88
Vicat Softening Point (Rate A ; 5 kg)	ASTM D1525	C	82	82
<b>OPTICAL</b>				
Refractive Index (N <sub>D</sub> @ 23°C)	ASTM D542		1.49	1.49
Luminous Transmittance (3.2 mm.)	ASTM D1003	%	92	92
Haze (3.2 mm.)	ASTM D1003	max, %	<2	<2