



**Typical Physical Properties
Altuglas V040 and V825
Acrylic Resin**

PROPERTIES	TEST METHOD	UNIT	Altuglas V040	Altuglas V825
PHYSICAL				
Melt Flow Rate (230°C / 3.8 kg)	ASTM D1238	g / 10 min	3.5	3.7
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
MECHANICAL				
Tensile Strength @ Maximum	ASTM D638	MPa	70	70
Flexural Strength, maximum	ASTM D790	MPa	103	103
Flexural Modulus	ASTM D790	MPa	3,200	3,200
Notched Izod (23°C)	ASTM D256	kJ/m ²	1.2	1.2
Rockwell Hardness	ASTM D785	Mscale	93.0	93.0
THERMAL				
HDT (1820 kPa ; annealed)	ASTM D648	C	102	102
Vicat Softening Point (Rate A ; 1 kg)	ASTM D1525	C	111	111
Vicat Softening Point (Rate A ; 5 kg)	ASTM D1525	C	104	104
OPTICAL				
Refractive Index (N _D @ 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