

STAR PMMA GP1.8

Availability	Global
Processing Method	Injection & Extrusion
Description	General purpose Acrylic

Physical	Nominal Value	Test Method
Specific Gravity	1.19	ASTM D792

Mechanical	Nominal Value	Test Method
Tensile Strength	10300 psi	ASTM D638
Elongation	4.20%	ASTM D638
Modulus of Elasticity	490000 psi	ASTM D638
Flexural Strength	17000 psi	ASTM D790
Flexural Modulus	490000 psi	ASTM D790

Impact	Nominal Value	Test Method
Notched Izod Impact	>.2 ft lb/in	ASTM D256
Impact Strength Falling Weight (1/8")	3 in-lb	ASTM D256
Rockwell Hardness	95 M scale	ASTM D785

Thermal	Nominal Value	Test Method
Vicat Softening Temp	215 F	ASTM D1525
Heat Deflection Temp Under Load (264 psi)	203 F	ASTM D648
Melt Flow Rate	1.8 g/10 min	ASTM D1238
Coefficient of Linear Thermal Expansion (-30 to 30 C)	6 x 10E-5 mm/(mm- oC)	ASTM D696

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee as conditions and methods of use are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale.

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Molding Shrinkage	.2-.6%	ASTM D955
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Optical	Nominal Value	Test Method
Luminous Transmittance	92%	ASTM D1003
Haze	<2%	ASTM D1003
Refractive Index	1.49	ASTM D542

Flammability		
Flame Rating (1.5mm)	HB	UL 94

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