

Product Information

Product Characteristics

- General Purpose Injection Molding
- High Viscosity
- UV Resistant

Properties	Test Method	Unit	Typical Values
Physical Properties¹			
Melt Flow Rate (300°C @ 1.2Kg)	ASTM D 1238	g/10 min	10
Vicat Softening Point	ASTM D 1525	°F	298
Specific Gravity	ASTM D 792	-	1.2
Mold Shrinkage	ASTM D 955	in/in	.005-.007
Rockwell Hardness	ASTM D 785	M-Scale	M-77
Light Transmission 3mm thick	ASTM D 1003	%	88
Mechanical Properties¹			
Tensile Strength at Yield	ASTM D 638	psi	8,935
Tensile Modulus, Type I, 1/8"	ASTM D 638	psi	N/A
Tensile Elongation At Break	ASTM D 638	%	110
Flexural Modulus, Type I, 1/8"	ASTM D 790	psi	340,000
Flexural Strength, Type I, 1/8"	ASTM D 790	psi	13,030
Notched Izod 1/8" @ 73°F	ASTM D 256	ft-lbs/in	15.9
1/4" @ 73°F	ASTM D 256	ft-lbs/in	N/A
Thermal Properties¹			
Coefficient of Linear Expansion 40-100 °C	ASTM D 696	X10 ⁻⁵ /cm/cm°C	6.0-8.0
Heat Distortion Temperature Unannealed			
4.6 kg/cm ² , 248°F/hr	ASTM D 648	°F	277
18.6 kg/cm ² , 240°F/hr	ASTM D 648	°F	257
Thermal Conductivity	ASTM D C177	W/m°C	0.2
Flammability	UL 94	-	V-2 (1.5mm)

¹ Typical Properties; not to be construed as specifications. The data is intended as a general guideline only and does not necessarily represent the results that may be obtained otherwise.