



## EXTRUDED IMPACT MODIFIED (50) ACRYLIC

### GENERAL

Density	ISO1183	1.17	g/cm <sup>3</sup>
Water Absorption	ISO62	0.3	%

### MECHANICAL

Tensile Strength	ISO527-2	55	MPa
Elongation at Break	ISO527-2	15	%
Tensile Modulus	ISO527-2	2300	MPa
Flexural Strength	ISO178	85	MPa
Flexural Modulus	ISO178	2300	MPa
Charpy Impact Strength, Notched	ISO179-1	3	kJ/m <sup>2</sup>
Izod Impact Strength, Notched	ISO180/1A	4	kJ/m <sup>2</sup>

### THERMAL

Vicat Softening Temperature, B50, Annealed	ISO306	98	°C
Heat Distortion Temperature, 1.8MPa	ISO75	85	°C
Linear Thermal Expansion	DIN53752	8.5	/°K x 10 <sup>-3</sup>
Continuous Service Temperature	-	70	°C
Maximum Short Term Temperature	-	80	°C
Degradation Temperature	-	>280	°C

### OPTICAL PROPERTIES

Light Transmission (3mm)	DIN5036-3	91	%
Refractive Index	DIN5036-3	1.59	-

This information is intended as a guideline for designers and processors of thermoplastics. Because design and processing is complex, a set solution will not solve all problems. Observation on a "trial and error" basis may be required to achieve desired results.

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