



## POLYETHYLENE TEREPHTALATE GLYCOL (P.E.T.G)

### GENERAL

Density	ISO1183	1.27	g/cm <sup>3</sup>
Water Absorption	ISO62	0.3	%

### MECHANICAL

Tensile Strength	ISO527-2	50	MPa
Elongation at Break	ISO527-2	54	%
Tensile Modulus	ISO527-2	2050	MPa
Flexural Strength	ISO178	70	MPa
Flexural Modulus	ISO178	2050	MPa
Charpy Impact Strength, Notched	ISO179-1	7	kJ/m <sup>2</sup>
Izod Impact Strength, Notched	ISO180/1A	7	kJ/m <sup>2</sup>

### THERMAL

Vicat Softening Temperature, B50, Annealed	ISO306	79	°C
Heat Distortion Temperature, 1.8MPa	ISO75	64	°C
Linear Thermal Expansion	DIN53752	7	/°K x 10 <sup>-5</sup>
Continuous Service Temperature	-	55	°C
Maximum Short Term Temperature	-	65	°C
Degradation Temperature	-	>250	°C

### OPTICAL PROPERTIES

Light Transmission (3mm)	DIN5036-3	87	%
Refractive Index	DIN5036-3	1.57	-

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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