

Technical data

Optical Properties

Colour: Opaque Blue

Mechanical Properties

Measurement	Condition	Value
	ASTM	
Tensile Strength	D638	66-68MPa
Tensile Modulus	D638	7,600-11,700MPa
Elongation@Break	D638	1.4-2.4%
Flexural Strength	D790	124-154MPa
Flexural Modulus	D790	8,300-9,800MPa
Izod Impact-Notched	D256	13-17J/m
Hardness		92Shore D
Density		1.78g/cm ³

Thermal Properties

Measurement	Condition	Value
CTE-0-20°C	E831-93	33-44x10 ⁻⁶ °C
CTE-90-150°C	E831-93	81-98x10 ⁻⁶ °C
	ASTM	
Heat Deflection Temperature		
@ 66 PSI	D648	66-65°C
@ 264 PSI	D648	66°C
@ 66 PSI with Thermal Posture	D648	267-284°C
Glass Transition (TG)	DMA, "E"	71-83°C

Features, benefits & applications

- Parts have exceptional stiffness and thermal resistance
- Low shrinkage and good humidity resistance
- Excellent surface finish and side-wall quality (cannot be built on high/ resolution mode)
- Used in applications where heat generated by electrical components may be a factor
- Automotive 'under the bonnet' application
- Used in housing and enclosures that require high rigidity and stiffness
- Used in wind tunnel models for F1 and aerospace industries

