



**UNITREX HiTemp** extruded thermoplastic shapes provide users with the toughness, strength and chemical resistance inherent in unfilled PEEK as well as enhanced heat resistance for use in elevated temperature environments. UNITREX HiTemp shapes offer Continuous Use Temperatures of up to 500° F (260° C).

UNITREX HiTemp is available in multiple rod and plate configurations by special order. Minimum order quantities may apply, dependent on product configuration.

### Typical Physical Properties

Property	Test Method	Unit	Nominal Value*
<b>Mechanical</b>			
Tensile Strength	ASTM D638	psi	16,000
Tensile Elongation @ Break	ASTM D638	%	20
Flexural Strength	ASTM D790	psi	28,000
Flexural Modulus of Elasticity	ASTM D790	psi	660,000
Izod Impact (notched)	ASTM D256	ft.-lb./in.	1.2
Rockwell Hardness	ASTM D785	M Scale	88
<b>Thermal</b>			
C.U.T. without impact	UL746B	°F	500
Glass Transition Temperature	ASTM D3418	°F	320
Heat Deflection Temp. @ 264 psi	ASTM D648	°F	338
CTE (linear)	ASTM D696	µin./in.- °F	12
NBS Smoke Density	E662-79	-	<10
Limiting Oxygen Index	ASTM D2863	% O <sub>2</sub>	40
Flammability	UL 94	-	V-0
<b>Miscellaneous</b>			
Specific Gravity	ASTM D792	---	1.31
Water Absorption (24 hr.)	ASTM D570	%	<.2
Color	---	---	Beige

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