

UNITREX® HiTemp

Polyethylene Terephthalate

Nytec Plastics, Ltd.

Message:

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.

General Information	
Features	Good Chemical Resistance Good Toughness High Heat Resistance High Strength
Uses	High Temperature Applications
Appearance	Beige
Forms	Preformed Parts Rod

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	ASTM D792
Water Absorption (24 hr)	< 0.20	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	88		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	110	MPa	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638
Flexural Modulus	4550	MPa	ASTM D790
Flexural Strength	193	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	64	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	170	°C	ASTM D648
Continuous Use Temperature	260	°C	
Glass Transition Temperature	160	°C	ASTM D3418
CLTE - Flow	2.2E-5	cm/cm/°C	ASTM D696
RTI Str	260	°C	UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94

Oxygen Index	40	%	ASTM D2863
Smoke Density	< 10		Internal Method

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

