

## UNITREX® Lf20 - PTFE Filled PEEK

UNITREX Lf20 extruded thermoplastic shapes provide users with improved physical properties compared to standard, unfilled PEEK grades through the addition of a proprietary PTFE filler. UNITREX Lf20 offers very good dimensional stability and machinability as well as exceptional wear resistance due to its low coefficient of friction. Available in a wide array of rod, tube and plate configurations by special order.

### Typical Physical Properties

Property	Test Method	Unit	*Nominal Value
<b>Mechanical</b>			
Specific Gravity	ASTM D792	--	1.42
Tensile Strength	ASTM D638	psi	11,500
Tensile Elongation @ Break	ASTM D638	%	15
Tensile Modulus	ASTM D638	psi	460,000
Flexural Strength	ASTM D790	psi	20,000
Flexural Modulus	ASTM D790	psi	500,000
Izod Impact (notched)	ASTM D256	ft.-lb./in	0.8
Rockwell Hardness	ASTM D785	D Scale	84
<b>Thermal</b>			
Glass Transition (Tg)	ASTM D3418	°F	290
HDT @ 264 psi	ASTM D648	°F	340
Melting Point	DSC	°F	650
Flammability	UL 94	@ 3.0mm	V-0
<b>Miscellaneous</b>			
Kinetic Coef. of Friction	ASTM D1894	--	0.1
Static Coef. Of Friction	ASTM D1894	--	0.1
Color	--	--	Gray/Beige

UNITREX is a registered trademark of Nytef Plastics, Ltd. - Professional Plastics, Inc. believes that the information presented here is the best available at the time of publication. This information is intended only as a guideline and Professional Plastics makes no guarantee as to its accuracy or completeness and will not assume any obligation or liability whatsoever for the use of this information. \*Nominal Property Values are based on tests of injection molded plaques; properties of extruded shapes may differ from values shown.

Call Professional Plastics at **(888) 995-7767** or  
 E-Mail: [sales@proplas.com](mailto:sales@proplas.com)  
 Order Online at [www.professionalplastics.com](http://www.professionalplastics.com)

Asia Customers Call **+ 65-6266-6193**  
 E-Mail: [asia-sales@proplas.com](mailto:asia-sales@proplas.com)