



# UNITREX<sup>®</sup> Lf20

PTFE Filled PEEK

Philadelphia • West Palm Beach • Chicago • Los Angeles • Fachbach, Germany

**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 Elong. @ 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

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