



UNITREX[®] 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* |
|------------------------------------|-------------|-------------|----------------|
| Mechanical | | | |
| 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 |
| Thermal | | | |
| Glass Transition (T _g) | ASTM D3418 | °F | 290 |
| HDT @ 264 psi | ASTM D648 | °F | 340 |
| Melting Point | DSC | °F | 650 |
| Flammability | UL 94 | @3.0mm | V-0 |
| Miscellaneous | | | |
| Kinetic Coef. of Friction | ASTM D1894 | - | 0.1 |
| Static Coef. Of Friction | ASTM D1894 | - | 0.1 |
| Color | -- | -- | Gray/Beige |

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