

PlastiComp Complet® LCF30-PES Polyethersulfone, 30% Long Carbon Fiber Reinforced

Category : Polymer , Thermoplastic , Polyethersulfone (PES) , Polyethersulfone, Carbon Fiber Reinforced

Material Notes:

Complēt® long-fiber reinforced pellets are manufactured to exceed expectation for quality and performance. Polyethersulfone with 30% long carbon fiber reinforcement. Information provided by PlastiComp, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PlastiComp-Complet-LCF30-PES-Polyethersulfone-30-Long-Carbon-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.48 g/cc	1.48 g/cc	ASTM D-792
Filler Content	30 %	30 %	Long Carbon Fiber

Mechanical Properties	Metric	English	Comments
Tensile Strength	325 MPa	47100 psi	ASTM D-638
Elongation at Break	1.0 %	1.0 %	ASTM D-638
Tensile Modulus	36.552 GPa	5301.4 ksi	ASTM D-638
Flexural Strength	300 MPa	43500 psi	ASTM D-790
Flexural Modulus	22.069 GPa	3200.8 ksi	ASTM D-790
Izod Impact, Notched	1.60 J/cm	3.00 ft-lb/in	ASTM D-256
Izod Impact, Unnotched	5.07 J/cm	9.50 ft-lb/in	ASTM D-4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	410 °C	770 °F	ASTM D-648

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