

PlastiComp Complet® LCF40-PPA Polyphthalamide, 40% Long Carbon Fiber Reinforced

Category : Polymer , Thermoplastic , Polyphthalamide (PPA) , Polyphthalamide (PPA), Carbon Fiber Filled

Material Notes:

Complēt® long-fiber reinforced pellets are manufactured to exceed expectation for quality and performance. Polyphthalamide with 40% long carbon fiber reinforcement. Information provided by PlastiComp, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PlastiComp-Complet-LCF40-PPA-Polyphthalamide-40-Long-Carbon-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.37 g/cc	1.37 g/cc	ASTM D-792
Filler Content	40 %	40 %	Long Carbon Fiber

Mechanical Properties	Metric	English	Comments
Tensile Strength	314 MPa	45500 psi	ASTM D-638
Elongation at Break	<= 1.0 %	<= 1.0 %	ASTM D-638
Tensile Modulus	37.931 GPa	5501.4 ksi	ASTM D-638
Flexural Strength	476 MPa	69000 psi	ASTM D-790
Flexural Modulus	28.276 GPa	4101.1 ksi	ASTM D-790
Izod Impact, Notched	2.14 J/cm	4.01 ft-lb/in	ASTM D-256
Izod Impact, Unnotched	9.08 J/cm	17.0 ft-lb/in	ASTM D-4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	277 °C	531 °F	ASTM D-648

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