

PlastiComp Complet® LCF10/LGF30 - PP Polypropylene, 40% Long Carbon/Glass Fiber

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Composite Pellets Information provided by PlastiComp, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PlastiComp-Complet-LCF10LGF30-PP-Polypropylene-40-Long-CarbonGlass-Fiber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	ASTM D-792
Filler Content	40 %	40 %	Long Carbon/Glass Fiber

Mechanical Properties	Metric	English	Comments
Tensile Strength	145 MPa	21000 psi	ASTM D-638
Elongation at Break	1.0 - 2.0 %	1.0 - 2.0 %	ASTM D-638
Tensile Modulus	14.48 GPa	2100 ksi	ASTM D-638
Flexural Strength	221 MPa	32100 psi	ASTM D-790
Flexural Modulus	10.0 GPa	1450 ksi	ASTM D-790
Izod Impact, Notched	2.67 J/cm	5.00 ft-lb/in	ASTM D-256
Izod Impact, Unnotched	6.68 J/cm	12.5 ft-lb/in	ASTM D-4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	152 °C	306 °F	ASTM D-648

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