

PlastiComp Complet® LGF40 - PP Homopolymer Polypropylene, 40% Long Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 40% Glass Fiber Filler

Material Notes:

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

Order this product through the following link:

http://www.lookpolymers.com/polymer_PlastiComp-Complet-LGF40-PP-Homopolymer-Polypropylene-40-Long-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	ASTM D-792
Filler Content	40 %	40 %	Long Glass Fiber

Mechanical Properties	Metric	English	Comments
Tensile Strength	117 MPa	17000 psi	ASTM D-638
Elongation at Break	2.0 %	2.0 %	ASTM D-638
Tensile Modulus	7.586 GPa	1100 ksi	ASTM D-638
Flexural Strength	177 MPa	25700 psi	ASTM D-790
Flexural Modulus	6.621 GPa	960.3 ksi	ASTM D-790
Izod Impact, Notched	3.20 J/cm	5.99 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)	152 °C	306 °F	ASTM D-648

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	199 - 210 °C	390 - 410 °F	
Middle Barrel Temperature	204 - 216 °C	400 - 420 °F	
Front Barrel Temperature	210 - 221 °C	410 - 430 °F	
Nozzle Temperature	204 - 216 °C	400 - 420 °F	
Melt Temperature	210 - 221 °C	410 - 430 °F	
Mold Temperature	79.4 °C	175 °F	

Processing Properties	Metric 76.2 mm/sec	English .00 in/sec	Comments
Drying Temperature	93.0 °C @Time 7200 sec	199 °F @Time 2.00 hour	
Back Pressure	0.172 - 0.345 MPa	25.0 - 50.0 psi	
Cushion	0.635 cm	0.250 in	
Screw Speed	30 - 50 rpm	30 - 50 rpm	

Descriptive Properties	Value	Comments
Injection Pressure	Medium to maximum	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China