

Complet® LGF30-PP

Polypropylene Homopolymer

PlastiComp, Inc.

Message:

Complet® LGF30-PP is a polypropylene homopolymer (PP Homopoly) product, which contains 30% long glass fibers. It is available in North America, Europe or Asia Pacific. The main characteristics are: homopolymer.

General Information			
Filler / Reinforcement	Long glass fiber, 30% filler by weight		
Features	Homopolymer		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6210	MPa	ASTM D638
Tensile Strength	107	MPa	ASTM D638
Tensile Elongation (Break)	2.0 - 3.0	%	ASTM D638
Flexural Modulus	5520	MPa	ASTM D790
Flexural Strength	157	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	210	J/m	ASTM D256
Unnotched Izod Impact	830	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	149	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	93.3	°C	
Drying Time	2.0	hr	
Suggested Max Regrind	5	%	
Rear Temperature	199 - 210	°C	
Middle Temperature	204 - 216	°C	
Front Temperature	210 - 221	°C	
Nozzle Temperature	204 - 216	°C	
Processing (Melt) Temp	210 - 221	°C	
Mold Temperature	65.6	°C	
Back Pressure	0.172 - 0.345	MPa	
Screw Speed	30 - 50	rpm	
Cushion	6.35	mm	
Screw L/D Ratio	18.0:1.0 to 20.0:1.0		
Screw Compression Ratio	2.0 : 1.0 - 3.0 : 1.0		
Injection instructions			

Injection speed: 2 in/secInjection pressure: medium to maximum

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Recommended distributors for this material

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