Complet® LGF60-PA66

Polyamide 66

PlastiComp, Inc.

Message:

Complet® LGF60-PA66 is a polyamide 66 (nylon 66) product, which contains 60% long glass fibers as filler. It is available in North America, Europe or Asia Pacific.

General Information			
Filler / Reinforcement	Long glass fiber, 60% filler by weight		
Forms	Particle		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.69	g/cm³	ASTM D792
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	20700	MPa	ASTM D638
Tensile Strength	262	MPa	ASTM D638
Tensile Elongation (Break)	1.0 - 2.0	%	ASTM D638
Flexural Modulus	16500	MPa	ASTM D790
Flexural Strength	407	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	520	J/m	ASTM D256
Unnotched Izod Impact	1600	J/m	ASTM D4812
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	243	°C	ASTM D648
Injection	**Nominal Value**	**Unit**	
Drying Temperature	79.4	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.18	%	
Suggested Max Regrind	5	%	
Rear Temperature	282 - 299	°C	
Middle Temperature	288 - 304	°C	
Front Temperature	293 - 310	°C	
Nozzle Temperature	288 - 304	°C	
Processing (Melt) Temp	293 - 310	°C	
Mold Temperature	93.3	°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 to 3 in/secInjection pressure: medium to maximum

Recommended distributors for this material

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