

LNP™ THERMOCOMP™ RF006L compound

Polyamide 66

SABIC Innovative Plastics

Message:

LNP THERMOCOMP RF006L is a compound based on Nylon 66 resin containing 30% Glass Fiber. Added features of this material include: Low Extractible.

Also known as: LNP* THERMOCOMP* Compound RF-1006 LE

Product reorder name: RF006L

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Low Extractables		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.59	g/cm ³	ASTM D792
Molding Shrinkage - Flow (24 hr)	0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	10500	MPa	ASTM D638
Tensile Strength (Break)	157	MPa	ASTM D638
Tensile Elongation (Break)	2.4	%	ASTM D638
Flexural Modulus	8740	MPa	ASTM D790
Flexural Strength	221	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	80	J/m	ASTM D256
Unnotched Izod Impact (23°C)	750	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	246	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15 to 0.25	%	
Rear Temperature	266 to 277	°C	
Middle Temperature	282 to 293	°C	
Front Temperature	293 to 304	°C	
Processing (Melt) Temp	282 to 304	°C	
Mold Temperature	93.3 to 110	°C	
Back Pressure	0.172 to 0.344	MPa	
Screw Speed	30 to 60	rpm	
NOTE			
1.	50 mm/min		

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Recommended distributors for this material

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