

# LNP™ THERMOCOMP™ IF006L compound

Polyamide 612  
SABIC Innovative Plastics

Message:

LNP THERMOCOMP IF006L is a compound based on Nylon 6/12 resin containing 30% Glass Fiber. Added features of this material include: Low Extractible.  
Also known as: LNP\* THERMOCOMP\* Compound IF-1006 LE  
Product reorder name: IF006L

General Information			
UL YellowCard	E121562-101343416		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Low Extractables		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus <sup>1</sup>	8760	MPa	ASTM D638
Tensile Strength (Break)	135	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	7790	MPa	ASTM D790
Flexural Strength	207	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	85	J/m	ASTM D256
Unnotched Izod Impact (23°C)	590	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	199	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.12 to 0.20	%	
Rear Temperature	254 to 266	°C	
Middle Temperature	260 to 271	°C	
Front Temperature	271 to 282	°C	
Processing (Melt) Temp	271 to 277	°C	
Mold Temperature	65.6 to 93.3	°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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