

LNP™ THERMOCOMP™ AF006XXZ compound

Acrylonitrile Butadiene Styrene

SABIC Innovative Plastics

Message:

LNP THERMOCOMP AF006XXZ is a compound based on ABS resin containing 30% Glass Fiber.

Also known as: LNP* THERMOCOMP* Compound AF-1006

Product reorder name: AF006XXZ

General Information			
UL YellowCard	E121562-101552413		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow : 24 hr	0.20	%	
Across Flow : 24 hr	0.40	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Break	96.5	MPa	ASTM D638
Break	83.0	MPa	ISO 527-2
Tensile Elongation			
Break	1.8	%	ASTM D638
Break	1.7	%	ISO 527-2
Flexural Modulus			
--	9170	MPa	ASTM D790
--	8000	MPa	ISO 178
Flexural Strength			
--	153	MPa	ASTM D790
--	119	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	59	J/m	ASTM D256
23°C ¹	5.2	kJ/m ²	ISO 180/1A
Unnotched Izod Impact (23°C)	280	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed, 3.20 mm	102	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ²	102	°C	ISO 75-2/Af
Injection	Nominal Value	Unit	Test Method
Drying Temperature	82.2	°C	

Drying Time	4.0	hr
Suggested Max Moisture	0.050 to 0.10	%
Rear Temperature	204 to 216	°C
Middle Temperature	232 to 243	°C
Front Temperature	266 to 277	°C
Processing (Melt) Temp	260	°C
Mold Temperature	71.1 to 82.2	°C
Back Pressure	0.172 to 0.344	MPa
Screw Speed	30 to 60	rpm
NOTE		
1.	80*10*4	
2.	80*10*4 mm	

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Recommended distributors for this material

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