

LNP™ THERMOCOMP™ AR002XXH

compound

Acrylonitrile Butadiene Styrene

SABIC Innovative Plastics

Message:

LNP THERMOCOMP AR002XXH is a compound based on ABS resin containing 10% Barium Sulfate.

Also known as: LNP* THERMOCOMP* Compound AR002XXH

Product reorder name: AR002XXH

General Information			
Filler / Reinforcement	Barium Sulfate,10% Filler by Weight		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2400	MPa	ASTM D638
Tensile Strength ² (Break)	40.0	MPa	ASTM D638
Tensile Elongation ³ (Break)	2.6	%	ASTM D638
Flexural Modulus ⁴ (50.0 mm Span)	2560	MPa	ASTM D790
Flexural Strength ⁵ (Break, 50.0 mm Span)	68.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	84	J/m	ASTM D256
Unnotched Izod Impact (23°C)	270	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	78.0	°C	ASTM D648
Injection	Nominal Value	Unit	
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.	5.0 mm/min		
2.	Type I, 5.0 mm/min		

3.	Type I, 5.0 mm/min
4.	1.3 mm/min
5.	1.3 mm/min

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