

LNP™ THERMOCOMP™ UF003AS compound

Polyphthalamide

SABIC Innovative Plastics Europe

Message:

LNP THERMOCOMP UF003AS is a compound based on Polyphthalamide resin containing Glass Fiber. Added features include; Heat Stabilized.

Also known as: LNP* THERMOCOMP* Compound UF1003AHS

Product reorder name: UF003AS

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.29	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.50 to 0.70	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	120	MPa	ISO 527-2/5
Tensile Strain (Break)	2.0	%	ISO 527-2/5
Flexural Modulus ¹	5000	MPa	ISO 178
Flexural Stress	160	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	5.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	30	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴ (1.8 MPa, Unannealed, 64.0 mm Span)	275	°C	ISO 75-2/Af
Injection	Nominal Value	Unit	
Drying Temperature	121 to 149	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15	%	
Rear Temperature	310 to 321	°C	
Middle Temperature	316 to 327	°C	
Front Temperature	327 to 338	°C	
Processing (Melt) Temp	316 to 332	°C	
Mold Temperature	138 to 166	°C	
Back Pressure	0.172 to 0.344	MPa	
Screw Speed	30 to 60	rpm	
NOTE			
1.	2.0 mm/min		

2.	80*10*4
3.	80*10*4
4.	80*10*4 mm

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Recommended distributors for this material

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