

LNP™ THERMOCOMP™ UF004AS compound

Polyphthalamide

SABIC Innovative Plastics Europe

Message:

LNP THERMOCOMP UF004AS is a compound based on Polyphthalamide resin containing Glass Fiber. Added features of this material include: Heat Stabilized.

Also known as: LNP* THERMOCOMP* Compound UF-1004AHS

Product reorder name: UF004AS

General Information			
UL YellowCard	E45329-101343841		
Filler / Reinforcement	Glass Fiber		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.39	g/cm ³	ISO 1183
Molding Shrinkage - Flow ¹	0.20 to 0.40	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7500	MPa	ISO 527-2/1
Tensile Stress (Break)	136	MPa	ISO 527-2/5
Tensile Strain (Break)	1.7	%	ISO 527-2/5
Flexural Modulus ²	7000	MPa	ISO 178
Flexural Stress	178	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	4.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	25	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵ (1.8 MPa, Unannealed, 64.0 mm Span)	256	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	3.1E-5	cm/cm/°C	
Transverse : 23 to 60°C	6.0E-5	cm/cm/°C	
NOTE			
1.	Tensile Bar		
2.	2.0 mm/min		
3.	80*10*4		
4.	80*10*4		
5.	80*10*4 mm		

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