

LNP™ THERMOCOMP™ UF007AS compound

Polyphthalamide

SABIC Innovative Plastics Europe

Message:

LNP THERMOCOMP UF007AS is a compound based on Polyphthalamide resin containing Glass Fiber. Added features include Heat Stabilized .

General Information			
UL YellowCard	E45329-101358204		
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	1.46	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.15	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12100	MPa	ISO 527-2/1
Tensile Stress (Break)	194	MPa	ISO 527-2/5
Tensile Strain (Break)	2.0	%	ISO 527-2/5
Flexural Modulus ¹	9600	MPa	ISO 178
Flexural Stress	279	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	11	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	45	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴ (1.8 MPa, Unannealed, 64.0 mm Span)	269	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	2.2E-5	cm/cm/°C	
Transverse : 23 to 60°C	5.9E-5	cm/cm/°C	
RTI Elec	130	°C	UL 746
RTI Imp	65.0	°C	UL 746
RTI Str	115	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating (0.750 mm)	HB		UL 94
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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