

LNP™ THERMOCOMP™ UFW49S compound

Polyphthalamide

SABIC Innovative Plastics

Message:

LNP THERMOCOMP UFW49S is a compound based on Polyphthalamide resin containing Glass Fiber, Mineral. Added features of this material include: Heat Stabilized, Low Warpage.

Also known as: LNP* THERMOCOMP* Compound UFM-3249 HS

Product reorder name: UFW49S

General Information			
Filler / Reinforcement	Glass \Mineral		
Additive	heat stabilizer		
Features	Low warpage		
	Thermal Stability		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.87	g/cm ³	ISO 1183
Molding Shrinkage - Flow (24 hr)	0.25	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	192	MPa	ISO 527-2
Tensile Strain (Break)	1.1	%	ISO 527-2
Flexural Modulus	19300	MPa	ISO 178
Flexural Stress	274	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ¹ (23°C)	6.7	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ² (23°C)	38	kJ/m ²	ISO 180/1U
Injection	Nominal Value	Unit	
Drying Temperature	121 - 149	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15	%	
Rear Temperature	310 - 321	°C	
Middle Temperature	316 - 327	°C	
Front Temperature	327 - 338	°C	
Processing (Melt) Temp	316 - 332	°C	
Mold Temperature	138 - 166	°C	
Back Pressure	0.172 - 0.344	MPa	
Screw Speed	30 - 60	rpm	
NOTE			
1.	80*10*4		
2.	80*10*4		

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Recommended distributors for this material

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