

LNP™ THERMOCOMP™ UFW49S compound

Polyphthalamide

SABIC Innovative Plastics

Message:

LNP THERMOCOMP UFW49S is a compound based on Polyphthalamide resin containing 45% Glass Fiber, 20% Wollastonite. 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 Fiber,45% Filler by Weight Wollastonite (CaSiO3),20% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized Low Warpage		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.85	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	192	MPa	ISO 527-2
Tensile Strain (Break)	1.1	%	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
CLTE			ASTM D696
Flow : -30 to 30°C	1.7E-5	cm/cm/°C	
Transverse : -30 to 30°C	2.7E-5	cm/cm/°C	
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	

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Recommended distributors for this material

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