

LNP™ THERMOCOMP™ QF008 compound

Polyamide 610

SABIC Innovative Plastics

Message:

LNP THERMOCOMP QF008 is a compound based on Nylon 6/10 resin containing 40% Glass Fiber.

Also known as: LNP* THERMOCOMP* Compound QF-1008

Product reorder name: QF008

General Information			
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.41	g/cm ³	ASTM D792
--	1.42	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	12400	MPa	ASTM D638
Tensile Strength			
Break	172	MPa	ASTM D638
Break	183	MPa	ISO 527-2
Tensile Elongation (Break)	3.3	%	ASTM D638
Flexural Modulus	10800	MPa	ASTM D790, ISO 178
Flexural Strength	255	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	140	J/m	ASTM D256
23°C ²	15	kJ/m ²	ISO 180/1A
Unnotched Izod Impact (23°C)	1100	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 3.20 mm	219	°C	ASTM D648
1.8 MPa, Unannealed, 3.20 mm	208	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ³	214	°C	ISO 75-2/Af
Injection	Nominal Value	Unit	Test Method
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.12 to 0.20	%	
Rear Temperature	249 to 260	°C	
Middle Temperature	260 to 271	°C	
Front Temperature	271 to 282	°C	
Processing (Melt) Temp	271 to 277	°C	

Mold Temperature	82.2 to 93.3	°C
Back Pressure	0.172 to 0.344	MPa
Screw Speed	30 to 60	rpm

NOTE		
1.	50 mm/min	
2.	80*10*4	
3.	80*10*4 mm	

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