

LNP* Thermocomp* HF008

Polyamide 11
SABIC Innovative Plastics

Technical Data

Product Description
LNP THERMOCOMP* HF008 is a compound based on Nylon 11 resin containing Glass Fiber.
Also known as: LNP* Thermocomp* Compound HF-1008 Product Reorder name: HF008

General	
Material Status	Commercial: Active
Literature ¹	Technical Datasheet
Search for UL Yellow Card	SABIC Innovative Plastics LNP* Thermocomp*
Availability	North America
Filler / Reinforcement	Glass Fiber Reinforcement
Processing Method	Injection Molding

Physical	Nominal Value Unit	Test Method
Specific Gravity	1.37 g/cm³	ASTM D792 ISO 1183
Molding Shrinkage		ASTM D955 ISO 294-4
Flow: 24 hr	0.10 to 0.30 %	
Across Flow: 24 hr	0.80 to 1.0 %	
Water Absorption		
24 hr, 50% RH	0.10 %	ASTM D570
Equilibrium, 23°C, 50% RH	0.19 %	ISO 62

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus		
-- ³	9280 MPa	ASTM D638
--	7600 MPa	ISO 527-2/1
Tensile Strength (Break)	123 MPa	ASTM D638 ISO 527-2
Tensile Elongation		
Break	4.9 %	ASTM D638
Break	3.9 %	ISO 527-2
Flexural Modulus		
--	8480 MPa	ASTM D790
--	7970 MPa	ISO 178
Flexural Strength		
--	221 MPa	ASTM D790
--	192 MPa	ISO 178

Impact	Nominal Value Unit	Test Method
Notched Izod Impact		
23°C	240 J/m	ASTM D256
23°C ⁴	21 kJ/m²	ISO 180/1A
Unnotched Izod Impact		
23°C	1200 J/m	ASTM D4812
23°C ⁴	76 kJ/m²	ISO 180/1U
Instrumented Dart Impact		
23°C, Energy at Peak Load	18.7 J	ASTM D3763
--	3.51 J	ISO 6603-2