

SABIC Innovative Plastics LNP THERMOCOMP QF008 PA 6/10 (Asia Pacific)

Category : Polymer , Thermoplastic , Nylon , Nylon 610

Material Notes:

LNP* Thermocomp* QF008 is a compound based on Nylon 6/10 resin containing Glass Fiber.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-QF008-PA-610-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in ³	ASTM D792
	1.42 g/cc	0.0513 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	171 MPa	24800 psi	ASTM D638
	183 MPa	26500 psi	ISO 527
Elongation at Break	3.3 %	3.3 %	ASTM D638
Tensile Modulus	12.42 GPa	1801 ksi	50 mm/min; ASTM D638
Flexural Strength	255 MPa	37000 psi	ASTM D790
Flexural Modulus	10.78 GPa	1564 ksi	ISO 178
	10.79 GPa	1565 ksi	ASTM D790
Izod Impact, Notched	1.38 J/cm	2.59 ft-lb/in	ASTM D256
Izod Impact, Unnotched	11.21 J/cm	21.00 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	15.0 kJ/m ²	7.14 ft-lb/in ²	80*10*4; ISO 180/1A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	219 Â°C @Thickness 3.20 mm	426 Â°F @Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	214 Â°C	417 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	207 Â°C @Thickness 3.20 mm	405 Â°F @Thickness 0.126 in	unannealed; ASTM D648

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