

SABIC Innovative Plastics LNP Thermocomp QF008R PA 6/10

Category : Polymer , Thermoplastic , Nylon , Nylon 610

Material Notes:

LNP* Thermocomp* QF008R is a compound based on Nylon 6/10 containing Glass Fiber. Characteristics of this grade are: Easy Release. This data was supplied by SABIC-IP for the Americas region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Thermocomp-QF008R-PA-610.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in ³	ASTM D 792
	1.42 g/cc	0.0513 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	171 MPa	24800 psi	Type I, 5 mm/min; ASTM D 638
Elongation at Break	3.3 %	3.3 %	Type I, 5 mm/min; ASTM D 638
Tensile Modulus	12.42 GPa	1801 ksi	50 mm/min; ASTM D 638
Flexural Strength	183 MPa	26500 psi	ISO 178
	255 MPa	37000 psi	1.3 mm/min, 50 mm span; ASTM D 790
Flexural Modulus	10.78 GPa	1564 ksi	2 mm/min; ISO 178
	10.79 GPa	1565 ksi	1.3 mm/min, 50 mm span; ASTM D 790
Izod Impact, Notched	1.38 J/cm	2.59 ft-lb/in	ASTM D 256
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Izod Impact, Unnotched	11.21 J/cm	21.00 ft-lb/in	ASTM D 4812
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	219 Å°C	426 Å°F	unannealed; ASTM D 648
	@Thickness 3.20 mm	@Thickness 0.126 in	
Deflection Temperature at 1.8 MPa (264 psi)	214 Å°C	417 Å°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	207 Å°C	405 Å°F	
			unannealed; ASTM D 648

Thermal Properties	@Thickness 3.20 mm Metric	@Thickness 0.126 in English	Comments
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