

SABIC Innovative Plastics LNP Thermocomp MFM43S PP (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

LNP* THERMOCOMP* MFM43S is a compound based on Polypropylene resin containing Glass Fiber, Mineral. Added features include : Heat Stabilized. This data was supplied by SABIC-IP for the Europe-Africa-Middle East region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Thermocomp-MFM43S-PP-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	ISO 1183
Water Absorption	0.010 %	0.010 %	ISO 62-1
	@Temperature 23.0 °C, Time 86400 sec	@Temperature 73.4 °F, Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0020 cm/cm	0.0020 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	56.0 MPa	8120 psi	5 mm/min; ISO 527
Elongation at Break	2.5 %	2.5 %	5 mm/min; ISO 527
	3.7 %	3.7 %	Flexural Strain, 2 mm/min; ISO 178
Tensile Modulus	5.40 GPa	783 ksi	1 mm/min; ISO 527
Flexural Strength	45.0 MPa	6530 psi	2 mm/min; ISO 178
Flexural Yield Strength	86.0 MPa	12500 psi	2 mm/min; ISO 178
Flexural Modulus	5.10 GPa	740 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	5.00 kJ/m ²	2.38 ft-lb/in ²	80*10*4; ISO 180/1A
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Izod Impact, Unnotched (ISO)	20.0 kJ/m ²	9.52 ft-lb/in ²	80*10*4; ISO 180/1U
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	44.0 µm/m-°C	24.4 µin/in-°F	ISO 11359-2
	@Temperature 23.0 -	@Temperature 73.4 -	

Thermal Properties	60.0 Â°C Metric	140 Â°F English	Comments
CTE, linear, Transverse to Flow	127 Âµm/m-Â°C @Temperature 23.0 - 60.0 Â°C	70.6 Âµin/in-Â°F @Temperature 73.4 - 140 Â°F	ISO 11359-2
Deflection Temperature at 1.8 MPa (264 psi)	124 Â°C	255 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

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