

**SABIC Innovative Plastics LNP Thermocomp AF008 ABS (Asia Pacific)**

Category : Polymer , Thermoplastic , ABS Polymer

**Material Notes:**

LNP\* Thermocomp\* AF008 is a compound based on Acrylonitrile Butadiene Styrene resin containing Glass Fiber. This data was supplied by SABIC-IP for the Asia Pacific region.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-Thermocomp-AF008-ABS-Asia-Pacific.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Thermocomp-AF008-ABS-Asia-Pacific.php)

Physical Properties	Metric	English	Comments
Density	1.39 g/cc	0.0502 lb/in <sup>3</sup>	ASTM D 792
Linear Mold Shrinkage, Flow	0.0020 cm/cm @Time 86400 sec	0.0020 in/in @Time 24.0 hour	ASTM D 955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	77.0 MPa	11200 psi	ASTM D 638
Elongation at Break	0.90 %	0.90 %	ASTM D 638
Tensile Modulus	11.99 GPa	1739 ksi	50 mm/min; ASTM D 638
Flexural Strength	117 MPa	17000 psi	ASTM D 790
Flexural Modulus	10.16 GPa	1474 ksi	ASTM D 790
Izod Impact, Notched	0.530 J/cm @Temperature 23.0 Â°C	0.993 ft-lb/in @Temperature 73.4 Â°F	ASTM D 256
Izod Impact, Unnotched	2.23 J/cm @Temperature 23.0 Â°C	4.18 ft-lb/in @Temperature 73.4 Â°F	ASTM D 4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	102 Â°C @Thickness 3.20 mm	216 Â°F @Thickness 0.126 in	unannealed; ASTM D 648

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