

**SABIC Innovative Plastics LNP Thermocomp RF0049S PA 66 (Asia Pacific)**

Category : Polymer , Thermoplastic , Nylon , Nylon 66

**Material Notes:**

LNP THERMOCOMP® RF0049S is a compound based on Nylon 66 resin containing Flame Retardant, Glass Fiber. Added features of this material include: Flame Retardant. 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-RF0049S-PA-66-Asia-Pacific.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Thermocomp-RF0049S-PA-66-Asia-Pacific.php)

Physical Properties	Metric	English	Comments
Density	1.53 g/cc	0.0553 lb/in <sup>3</sup>	ASTM D 792
Linear Mold Shrinkage, Flow	0.0030 - 0.0050 cm/cm @Time 86400 sec	0.0030 - 0.0050 in/in @Time 24.0 hour	ASTM D 955
Linear Mold Shrinkage, Transverse	0.010 - 0.012 cm/cm @Time 86400 sec	0.010 - 0.012 in/in @Time 24.0 hour	ASTM D 955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	136 MPa	19700 psi	ASTM D 638
Elongation at Break	3.3 %	3.3 %	ASTM D 638
Flexural Strength	199 MPa	28900 psi	ASTM D 790
Flexural Modulus	7.51 GPa	1090 ksi	ASTM D 790
Izod Impact, Notched	0.850 J/cm @Temperature 23.0 °C	1.59 ft-lb/in @Temperature 73.4 °F	ASTM D 256
Izod Impact, Unnotched	6.78 J/cm @Temperature 23.0 °C	12.7 ft-lb/in @Temperature 73.4 °F	ASTM D 4812

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-0 @Thickness 1.69 mm	V-0 @Thickness 0.0665 in	UL 94 by SABIC-IP

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