

## SABIC Innovative Plastics LNP Thermocomp M10009A PP (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polypropylene (PP)

### Material Notes:

LNP\* STARFLAM\* M10009A is a compound based on Polypropylene resin, containing Flame Retardant. Added features include : Flame Retardant. 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-M10009A-PP-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Thermocomp-M10009A-PP-Europe-Africa-Middle-East.php)

Physical Properties	Metric	English	Comments
Density	1.00 g/cc	0.0361 lb/in <sup>3</sup>	ISO 1183
Water Absorption	0.010 % @Temperature 23.0 °C, Time 86400 sec	0.010 % @Temperature 73.4 °F, Time 24.0 hour	ISO 62-1
Linear Mold Shrinkage, Flow	0.016 cm/cm	0.016 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	25.0 MPa	3630 psi	50 mm/min; ISO 527
Tensile Strength, Yield	38.0 MPa	5510 psi	50 mm/min; ISO 527
Elongation at Yield	7.3 %	7.3 %	50 mm/min; ISO 527
Flexural Yield Strength	50.0 MPa	7250 psi	2 mm/min; ISO 178
Flexural Modulus	1.90 GPa	276 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	4.00 kJ/m <sup>2</sup> @Temperature 23.0 °C	1.90 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	45.0 kJ/m <sup>2</sup> @Temperature 23.0 °C	21.4 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	106 Åµm/m-°C @Temperature 23.0 - 60.0 °C	58.9 Åµin/in-°F @Temperature 73.4 - 140 °F	ISO 11359-2
CTE, linear, Transverse to Flow	140 Åµm/m-°C	77.8 Åµin/in-°F	ISO 11359-2

Thermal Properties	@Temperature 23.0 - Metric 23.0 Â°C	@Temperature 73.4 - English 73.4 Â°F	Comments
Deflection Temperature at 0.46 MPa (66 psi)	103 Â°C	217 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	57.0 Â°C	135 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
Flammability, UL94	V-2 @Thickness 1.60 mm	V-2 @Thickness 0.0630 in	UL 94 by SABIC-IP

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