

## SABIC Innovative Plastics LNP THERMOCOMP AW00A ABS (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , ABS Polymer

### Material Notes:

LNP\* THERMOCOMP\* AW00A is a compound based on Acrylonitrile Butadiene Styrene resin containing Wollastonite.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-THERMOCOMP-AW00A-ABS-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-AW00A-ABS-Europe-Africa-Middle-East.php)

Physical Properties	Metric	English	Comments
Density	1.38 g/cc	0.0499 lb/in <sup>3</sup>	ISO 1183
Water Absorption	0.24 % @Time 86400 sec	0.24 % @Time 24.0 hour	ISO 62-1
Linear Mold Shrinkage, Flow	0.0050 cm/cm	0.0050 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	25.0 MPa	3630 psi	5 mm/min; ISO 527
Elongation at Break	5.9 %	5.9 %	Flexural Strain, break, 2 mm/min; ISO 178
Elongation at Yield	2.1 %	2.1 %	5 mm/min; ISO 527
Tensile Modulus	3.40 GPa	493 ksi	1 mm/min; ISO 527
Flexural Strength	39.0 MPa	5660 psi	2 mm/min; ISO 178
Flexural Yield Strength	49.0 MPa	7110 psi	2 mm/min; ISO 178
Flexural Modulus	3.90 GPa	566 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	5.00 kJ/m <sup>2</sup>	2.38 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	15.0 kJ/m <sup>2</sup>	7.14 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	69.0 Åµm/m-Å°C @Temperature 23.0 - 60.0 Å°C	38.3 Åµin/in-Å°F @Temperature 73.4 - 140 Å°F	ISO 11359-2
CTE, linear, Transverse to Flow	93.0 Åµm/m-Å°C @Temperature 23.0 - 60.0 Å°C	51.7 Åµin/in-Å°F @Temperature 73.4 - 140 Å°F	ISO 11359-2
Deflection Temperature at 0.46 MPa			

(56 psi) Thermal Properties	95.0 Â°C Metric	203 Â°F English	Flatw 80*10*4 sp=64mm; ISO 75/Bf Comments
Deflection Temperature at 1.8 MPa (264 psi)	81.0 Â°C	178 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

## Contact Songhan Plastic Technology Co.,Ltd.

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