

## SABIC Innovative Plastics LNP THERMOCOMP UF007AS PPA (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyphthalamide (PPA)

### Material Notes:

LNP\* THERMOCOMP\* UF007AS is a compound based on Polyphthalamide resin containing Glass Fiber. Added features include Heat Stabilized .

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-THERMOCOMP-UF007AS-PPA-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-UF007AS-PPA-Europe-Africa-Middle-East.php)

Physical Properties	Metric	English	Comments
Density	1.46 g/cc	0.0527 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.0015 cm/cm	0.0015 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	194 MPa	28100 psi	5 mm/min; ISO 527
Elongation at Break	2.0 %	2.0 %	5 mm/min; ISO 527
Tensile Modulus	12.1 GPa	1750 ksi	1 mm/min; ISO 527
Flexural Yield Strength	279 MPa	40500 psi	2 mm/min; ISO 178
Flexural Modulus	9.60 GPa	1390 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	11.0 kJ/m <sup>2</sup>	5.23 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	45.0 kJ/m <sup>2</sup>	21.4 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	22.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	12.2 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ISO 11359-2
	@Temperature 23.0 - 60.0 $\text{Å}^\circ\text{C}$	@Temperature 73.4 - 140 $\text{Å}^\circ\text{F}$	
CTE, linear, Transverse to Flow	59.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	32.8 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ISO 11359-2
	@Temperature 23.0 - 60.0 $\text{Å}^\circ\text{C}$	@Temperature 73.4 - 140 $\text{Å}^\circ\text{F}$	
Deflection Temperature at 1.8 MPa (264 psi)	269 $\text{Å}^\circ\text{C}$	516 $\text{Å}^\circ\text{F}$	Flatw 80*10*4 sp=64mm; ISO 75/Af
UL RTI, Electrical	130 $\text{Å}^\circ\text{C}$	266 $\text{Å}^\circ\text{F}$	UL 746B
UL RTI, Mechanical with Impact	65.0 $\text{Å}^\circ\text{C}$	149 $\text{Å}^\circ\text{F}$	UL 746B
UL RTI, Mechanical without Impact	115 $\text{Å}^\circ\text{C}$	239 $\text{Å}^\circ\text{F}$	UL 746B

Thermal Properties	Metric	English	Comments
Flammability, UL94	@Thickness 0.750 mm	@Thickness 0.0295 in	UL 94

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China