

## SABIC Innovative Plastics LNP THERMOCOMP UX06032 PPA (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyphthalamide (PPA)

### Material Notes:

LNP\* THERMOCOMP\* UX06032 is a compound based on Polyphthalamide resin containing Glass Fiber, Flame Retardant. Added features of this material include: Flame Retardant, Non-Brominated & Non-Chlorinated Flame Retardant, Heat Stabilized.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-THERMOCOMP-UX06032-PPA-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-UX06032-PPA-Europe-Africa-Middle-East.php)

Physical Properties	Metric	English	Comments
Density	1.44 g/cc	0.0520 lb/in <sup>3</sup>	ISO 1183
Water Absorption	0.50 %	0.50 %	ISO 62-1
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	on Tensile Bar; SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	160 MPa	23200 psi	5 mm/min; ISO 527
Elongation at Break	2.4 %	2.4 %	5 mm/min; ISO 527
Tensile Modulus	11.1 GPa	1610 ksi	1 mm/min; ISO 527
Flexural Strength	220 MPa	31900 psi	2 mm/min; ISO 178
Flexural Modulus	10.2 GPa	1480 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	7.00 kJ/m <sup>2</sup>	3.33 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	50.0 kJ/m <sup>2</sup>	23.8 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	265 Â°C	509 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
Flammability, UL94	V-0	V-0	UL 94
	@Thickness 0.800 mm	@Thickness 0.0315 in	
Glow Wire Test	825 Â°C	1520 Â°F	IEC 60695-2-13
	825 Â°C	1520 Â°F	IEC 60695-2-13
	850 Â°C	1560 Â°F	IEC 60695-2-13
	960 Â°C	1760 Â°F	

Thermal Properties	Metric @ Thickness 1.50 mm	English @ Thickness 0.0591 in	IEC 60695-2-12 Comments
Electrical Properties	Metric	English	Comments
Comparative Tracking Index	600 V	600 V	IEC 60112

## Contact Songhan Plastic Technology Co.,Ltd.

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