

SABIC Innovative Plastics LNP LUBRICOMP UX96507 PPA

Category : Polymer , Thermoplastic , Polyphthalamide (PPA)

Material Notes:

LNP* LUBRICOMP* UX96507 is a compound based on PPA containing proprietary fillers. Added feature of this grade is: Wear Resistant.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-UX96507-PPA.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.50 g/cc	1.50 g/cc	ASTM D792
Density	1.49 g/cc	0.0538 lb/in ³	ASTM D792
Moisture Absorption	0.290 %	0.290 %	50% RH, 24 hrs; ASTM D570
	0.400 %	0.400 %	23°C / 50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.00010 - 0.00030 cm/cm @Time 86400 sec	0.00010 - 0.00030 in/in @Time 24.0 hour	ASTM D955
Linear Mold Shrinkage, Transverse	0.0030 - 0.0050 cm/cm @Time 86400 sec	0.0030 - 0.0050 in/in @Time 24.0 hour	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	226 MPa	32800 psi	Type I, 5 mm/min; ASTM D638
	226 MPa	32800 psi	5 mm/min; ISO 527
Elongation at Break	1.7 %	1.7 %	Type I, 5 mm/min; ASTM D638
	1.7 %	1.7 %	5 mm/min; ISO 527
Tensile Modulus	18.73 GPa	2717 ksi	1 mm/min; ISO 527
	19.34 GPa	2805 ksi	5 mm/min; ASTM D638
Flexural Strength	311 MPa	45100 psi	1.3 mm/min, 50 mm span; ASTM D790
	313 MPa	45400 psi	ISO 178
Flexural Modulus	16.77 GPa	2432 ksi	2 mm/min; ISO 178
	16.9 GPa	2450 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.740 J/cm	1.39 ft-lb/in	ASTM D256
Izod Impact, Unnotched	5.83 J/cm	10.9 ft-lb/in	ASTM D4812

Mechanical Properties	Metric	English	Comments
Izod Impact, Notched (ISO)	1.00 kJ/mÂ²	1.00 ft-lb/inÂ²	80*10*4, ISO 180/1A
Izod Impact, Unnotched (ISO)	38.0 kJ/mÂ²	18.1 ft-lb/inÂ²	80*10*4; ISO 180/1U
Dart Drop, Total Energy	6.00 J @Temperature 23.0 Â°C	4.43 ft-lb @Temperature 73.4 Â°F	ASTM D3763
Impact Test	3.00 J	2.21 ft-lb	Multiaxial Impact; ISO 6603

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	27.0 Âµm/m-Â°C @Temperature -30.0 - 30.0 Â°C	15.0 Âµin/in-Â°F @Temperature -22.0 - 86.0 Â°F	ASTM D696
CTE, linear, Transverse to Flow	3.20 Âµm/m-Â°C @Temperature -30.0 - 30.0 Â°C	1.78 Âµin/in-Â°F @Temperature -22.0 - 86.0 Â°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	277 Â°C	531 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
	280 Â°C @Thickness 3.20 mm	536 Â°F @Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	259 Â°C	498 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	262 Â°C @Thickness 3.20 mm	504 Â°F @Thickness 0.126 in	unannealed; ASTM D648

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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