

SABIC Innovative Plastics LNP LUBRICOMP KFI15 ACETAL

Category : Polymer , Thermoplastic , Acetal (POM)

Material Notes:

LNP* LUBRICOMP* KFI15 is a compound based on Acetal containing 25% Glass Fiber, 2% Silicone. 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-KFI15-ACETAL.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.50 g/cc	1.50 g/cc	ASTM D792
Density	1.56 g/cc	0.0564 lb/in ³	ASTM D792
Moisture Absorption	0.180 %	0.180 %	50% RH, 24 hrs; ASTM D570
Linear Mold Shrinkage, Flow	0.0070 - 0.0090 cm/cm	0.0070 - 0.0090 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.010 - 0.030 cm/cm	0.010 - 0.030 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	102 MPa	14800 psi	Type I, 5 mm/min; ASTM D638
	118 MPa	17100 psi	5 mm/min; ISO 527
Tensile Strength, Yield	112 MPa	16200 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	2.0 %	2.0 %	Type I, 5 mm/min; ASTM D638
	2.4 %	2.4 %	5 mm/min; ISO 527
Elongation at Yield	1.9 %	1.9 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	8.71 GPa	1260 ksi	1 mm/min; ISO 527
	9.26 GPa	1340 ksi	5 mm/min; ASTM D638
Flexural Strength	172 MPa	24900 psi	ISO 178
	176 MPa	25500 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Yield Strength	180 MPa	26100 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	7.85 GPa	1140 ksi	1.3 mm/min, 50 mm span; ASTM D790

Mechanical Properties	8.01 GPa Metric	1160 ksi English	2 mm/min ISO 178 Comments
Izod Impact, Notched	0.760 J/cm	1.42 ft-lb/in	ASTM D256
Izod Impact, Unnotched	5.37 J/cm	10.1 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	8.00 kJ/mÂ²	3.81 ft-lb/inÂ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	37.0 kJ/mÂ²	17.6 ft-lb/inÂ²	80*10*4; ISO 180/1U
Dart Drop, Total Energy	10.0 J @Temperature 23.0 Â°C	7.38 ft-lb @Temperature 73.4 Â°F	ASTM D3763

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	163 Â°C	325 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
	163 Â°C @Thickness 3.20 mm	325 Â°F @Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	159 Â°C	318 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	161 Â°C @Thickness 3.20 mm	322 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