

SABIC Innovative Plastics LNP Lubricomp KFL34 Acetal Copolymer (Asia Pacific)

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, PTFE Filled , Acetal Homopolymer, Glass Fiber Reinforced

Material Notes:

LNP* Lubricomp* KFL34 is a compound based on Acetal Copolymer resin containing Glass Fiber, PTFE. Added features of this material include: Internally Lubricated. This data was supplied by SABIC-IP for the Asia Pacific region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Lubricomp-KFL34-Acetal-Copolymer-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Density	1.65 g/cc	0.0596 lb/in ³	ASTM D 792
Linear Mold Shrinkage, Flow	0.0048 cm/cm	0.0048 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0050 cm/cm	0.0050 in/in	ASTM D 955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0107 cm/cm	0.0107 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.011 cm/cm	0.011 in/in	ASTM D 955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	80.0 MPa	11600 psi	ASTM D 638
Elongation at Break	1.9 %	1.9 %	ASTM D 638
Tensile Modulus	7.23 GPa	1050 ksi	50 mm/min; ASTM D 638
Flexural Strength	117 MPa	17000 psi	ASTM D 790
Flexural Modulus	6.05 GPa	877 ksi	ASTM D 790
Izod Impact, Notched	0.420 J/cm	0.787 ft-lb/in	ASTM D 256
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Izod Impact, Unnotched	4.25 J/cm	7.96 ft-lb/in	ASTM D 4812
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Coefficient of Friction, Dynamic	0.46	0.46	ASTM D 3702 Modified

Coefficient of Friction, Static Mechanical Properties	0.50 Metric	0.50 English	ASTM D 3702 Modified Comments
K (wear) Factor	$399 \times 10^{-8} \text{ mm}^3/\text{N-M}$	$198 \times 10^{-10} \text{ in}^3\text{-min/ft-lb-hr}$	Washer; ASTM D 3702 Modified

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	159 °C @Thickness 3.20 mm	318 °F @Thickness 0.126 in	unannealed; ASTM D 648

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