

## SABIC Innovative Plastics LNP Lubricomp ZFL36CCX PPE+PS

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polystyrene (PS)

### Material Notes:

LNP LUBRICOMP\* ZFL36CCX is a compound based on PPE+PS Blend resin containing Glass Fiber, PTFE. Added features of this material include: Internally Lubricated. This data was supplied by SABIC-IP for the Americas region.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-Lubricomp-ZFL36CCX-PPEPS.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Lubricomp-ZFL36CCX-PPEPS.php)

Physical Properties	Metric	English	Comments
Density	1.43 g/cc	0.0517 lb/in <sup>3</sup>	ASTM D 792
	1.43 g/cc	0.0517 lb/in <sup>3</sup>	ISO 1183
Moisture Absorption at Equilibrium	0.080 %	0.080 %	23 <sup>o</sup> C / 50% RH; ISO 62
	0.060 % @Time 86400 sec	0.060 % @Time 24.0 hour	50% RH; ASTM D 570
Linear Mold Shrinkage, Flow	0.0028 cm/cm	0.0028 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
	0.0030 cm/cm	0.0030 in/in	ASTM D 955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0028 cm/cm	0.0028 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
	0.0030 cm/cm	0.0030 in/in	ASTM D 955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	109 MPa	15800 psi	ASTM D 638
	109 MPa	15800 psi	ISO 527
Elongation at Break	1.6 %	1.6 %	ISO 527
	1.7 %	1.7 %	ASTM D 638
Tensile Modulus	10.16 GPa	1474 ksi	1 mm/min; ISO 527
	10.61 GPa	1539 ksi	50 mm/min; ASTM D 638
Flexural Strength	168 MPa	24400 psi	ISO 178
	172 MPa	24900 psi	ASTM D 790

Mechanical Properties	Metric	English	Comments
Flexural Modulus	9.99 GPa	1450 ksi	ASTM D 790
	10.55 GPa	1530 ksi	ISO 178
Izod Impact, Notched	1.22 J/cm @Temperature 23.0 Â°C	2.29 ft-lb/in @Temperature 73.4 Â°F	ASTM D 256
Izod Impact, Unnotched	5.34 J/cm @Temperature 23.0 Â°C	10.0 ft-lb/in @Temperature 73.4 Â°F	ASTM D 4812
Izod Impact, Notched (ISO)	13.0 kJ/mÂ² @Temperature 23.0 Â°C	6.19 ft-lb/inÂ² @Temperature 73.4 Â°F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	34.0 kJ/mÂ² @Temperature 23.0 Â°C	16.2 ft-lb/inÂ² @Temperature 73.4 Â°F	80*10*4; ISO 180/1U
Impact Test	3.00 J	2.21 ft-lb	Multiaxial Impact; ISO 6603
	10.0 J @Temperature 23.0 Â°C	7.38 ft-lb @Temperature 73.4 Â°F	Instrumented Impact Energy @ peak; ASTM D 3763
Coefficient of Friction, Dynamic	0.50	0.50	ASTM D 3702 Modified
Coefficient of Friction, Static	0.45	0.45	ASTM D 3702 Modified
K (wear) Factor	90.6 x 10 <sup>-8</sup> mmÂ³/N-M	45.0 x 10 <sup>-10</sup> inÂ³- min/ft-lb-hr	Washer; ASTM D 3702 Modified

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	125 Â°C	257 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	123 Â°C @Thickness 3.20 mm	253 Â°F @Thickness 0.126 in	unannealed; ASTM D 648

## 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