

SABIC Innovative Plastics LNP Lubricomp WL0049XF PBT

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), PTFE Filled

Material Notes:

LNP* Lubricomp* WL0049 is a compound based on Polybutylene Terephthalate resin containing PTFE and Flame Retardant. Added features include: Internally Lubricated, Flame Retardant. 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-WL0049XF-PBT.php

Physical Properties	Metric	English	Comments
Density	1.52 g/cc	0.0549 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.021 cm/cm	0.021 in/in	SABIC Method
	0.00070 cm/cm	0.00070 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	43.0 MPa	6240 psi	5 mm/min; ISO 527
Tensile Strength, Yield	43.0 MPa	6240 psi	5 mm/min; ISO 527
Elongation at Break	6.3 %	6.3 %	Flexural Strain, 2 mm/min; ISO 178
Elongation at Yield	3.8 %	3.8 %	5 mm/min; ISO 527
Tensile Modulus	2.50 GPa	363 ksi	1 mm/min; ISO 527
Flexural Strength	73.0 MPa	10600 psi	2 mm/min; ISO 178
Flexural Yield Strength	73.0 MPa	10600 psi	2 mm/min; ISO 178
Flexural Modulus	2.30 GPa	334 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	3.00 kJ/m ² @Temperature 23.0 °C	1.43 ft-lb/in ² @Temperature 73.4 °F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	30.0 kJ/m ² @Temperature 23.0 °C	14.3 ft-lb/in ² @Temperature 73.4 °F	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	109 Âµm/m-Â°C @Temperature 23.0 - 60.0 Â°C	60.6 Âµin/in-Â°F @Temperature 73.4 - 140 Â°F	ISO 11359-2

Thermal Properties	Metric mm/m-Â°C	English in/in-Â°F	Comments
CTE, linear, Transverse to Flow	@Temperature 23.0 - 60.0 Â°C	@Temperature 73.4 - 140 Â°F	ISO 11359-2
Deflection Temperature at 1.8 MPa (264 psi)	63.0 Â°C	145 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
Flammability, UL94	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	UL 94 by SABIC-IP

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