

SABIC Innovative Plastics LNP Lubricomp TX03476 PU

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

LNP* Lubricomp* TX03476 is a Polyurethane containing proprietary fillers. 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-TX03476-PU.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ASTM D 792
Density	1.19 g/cc	0.0430 lb/in ³	ASTM D 792
Moisture Absorption at Equilibrium	1.2 %	1.2 %	23 ^o C / 50% RH; ISO 62
	0.86 %	0.86 %	50% RH; ASTM D 570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D 955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D 955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	7.00 MPa	1020 psi	Type I, 5 mm/min; ASTM D 638
	7.00 MPa	1020 psi	5 mm/min; ISO 527
Elongation at Yield	177.4 %	177.4 %	Type I, 5 mm/min; ASTM D 638
	316.9 %	316.9 %	5 mm/min; ISO 527
Tensile Modulus	0.0400 GPa	5.80 ksi	50 mm/min; ASTM D 638
	0.0400 GPa	5.80 ksi	1 mm/min; ISO 527
Impact Test	54.0 J	39.8 ft-lb	Multiaxial Impact; ISO 6603
	41.0 J	30.2 ft-lb	Instrumented Impact Total Energy; ASTM D 3763
	@Temperature 23.0 ^o C	@Temperature 73.4 ^o F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	267 ^o C	513 ^o F	unannealed; ASTM D 648

Thermal Properties	@Thickness 3.20 mm Metric	@Thickness 0.126 in English	Comments
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