

SABIC Innovative Plastics LNP LUBRICOMP WAL34 PBT (Asia Pacific)

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

Material Notes:

LNP* Lubricomp* WAL34 is a compound based on Polybutylene Terephthalate resin containing PTFE, Aramid Fiber. Added features of this material include: Internally Lubricated.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-WAL34-PBT-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.014 cm/cm @Time 86400 sec	0.014 in/in @Time 24.0 hour	ASTM D955
Linear Mold Shrinkage, Transverse	0.020 cm/cm @Time 86400 sec	0.020 in/in @Time 24.0 hour	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	57.0 MPa	8270 psi	ASTM D638
Elongation at Break	2.9 %	2.9 %	ASTM D638
Tensile Modulus	4.48 GPa	650 ksi	50 mm/min; ASTM D638
Flexural Strength	103 MPa	14900 psi	ASTM D790
Flexural Modulus	4.39 GPa	637 ksi	ASTM D790
Coefficient of Friction, Dynamic	0.080	0.080	ASTM D3702 Modified
Coefficient of Friction, Static	0.060	0.060	ASTM D3702 Modified

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	180 Â°C @Thickness 3.20 mm	356 Â°F @Thickness 0.126 in	unannealed; ASTM D648

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