

SABIC Innovative Plastics LNP LUBRICOMP Noryl_NWR5810 PPE+PS

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

Material Notes:

LNP* Lubricomp* Noryl_NWR5810 compound is a 10% PTFE filled PPE+PS. High flow and good impact. Applications requiring wear resistance/lubricity. Electronics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-NorylNWR5810-PPEPS.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.11 g/cc	1.11 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0055 - 0.0070 cm/cm @Thickness 3.20 mm	0.0055 - 0.0070 in/in @Thickness 0.126 in	SABIC Method
Linear Mold Shrinkage, Transverse	0.0045 - 0.0070 cm/cm @Thickness 3.20 mm	0.0045 - 0.0070 in/in @Thickness 0.126 in	SABIC Method
Melt Flow	5.5 g/10 min @Load 5.00 kg, Temperature 260 Â°C	5.5 g/10 min @Load 11.0 lb, Temperature 500 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	37.0 MPa	5370 psi	Type I, 50 mm/min; ASTM D638
Tensile Strength, Yield	39.0 MPa	5660 psi	Type I, 50 mm/min; ASTM D638
Elongation at Break	55 %	55 %	Type I, 50 mm/min; ASTM D638
Elongation at Yield	2.8 %	2.8 %	Type I, 50 mm/min; ASTM D638
Tensile Modulus	2.17 GPa	315 ksi	50 mm/min; ASTM D638
Flexural Yield Strength	57.0 MPa	8270 psi	2.6 mm/min, 100 mm span; ASTM D790
	61.0 MPa	8850 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	1.99 GPa	289 ksi	2.6 mm/min, 100 mm span; ASTM D790
	2.06 GPa	299 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	2.32 J/cm	4.35 ft-lb/in	ASTM D256
Izod Impact, Unnotched	22.42 J/cm	42.00 ft-lb/in	ASTM D4812
	32.0 J	23.6 ft-lb	

Mechanical Properties	Metric	English	Comments
	@ Temperature 23.0 °C	@ Temperature 73.4 °F	ASTM D2753
Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	64.8 Åµm/m-Å°C @Temperature -40.0 - 60.0 Å°C	36.0 Åµin/in-Å°F @Temperature -40.0 - 140 Å°F	ASTM E 831
CTE, linear, Transverse to Flow	73.8 Åµm/m-Å°C @Temperature -40.0 - 60.0 Å°C	41.0 Åµin/in-Å°F @Temperature -40.0 - 140 Å°F	ASTM E 831
Deflection Temperature at 0.46 MPa (66 psi)	113 Å°C @Thickness 3.20 mm	235 Å°F @Thickness 0.126 in	unannealed; ASTM D648
	116 Å°C @Thickness 6.40 mm	241 Å°F @Thickness 0.252 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	97.0 Å°C @Thickness 3.20 mm	207 Å°F @Thickness 0.126 in	unannealed; ASTM D648
	105 Å°C @Thickness 6.40 mm	221 Å°F @Thickness 0.252 in	unannealed; ASTM D648
Vicat Softening Point	110 Å°C	230 Å°F	Rate B/50; ASTM D1525

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