

## SABIC Innovative Plastics LNP LUBRICOMP Noryl\_SPN422L PPE+HIPS (Europe-Africa-Middle East)

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

### Material Notes:

LNP\* Lubricomp Noryl\_SPN422L is a wear resistant, fluorocarbon alloy, 235F (113C) HDT. UL94 HB rated. Check surface aesthetics prior to material specification.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-LUBRICOMP-NorylSPN422L-PPEHIPS-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-NorylSPN422L-PPEHIPS-Europe-Africa-Middle-East.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.08 g/cc	1.08 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0050 - 0.0070 cm/cm @Thickness 3.20 mm	0.0050 - 0.0070 in/in @Thickness 0.126 in	SABIC Method
Linear Mold Shrinkage, Transverse	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	on Tensile Bar; SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	48.0 MPa	6960 psi	Type I, 50 mm/min; ASTM D638
Elongation at Break	35 %	35 %	Type I, 50 mm/min; ASTM D638
Flexural Yield Strength	75.0 MPa	10900 psi	2.6 mm/min, 100 mm span; ASTM D790
Flexural Modulus	2.27 GPa	329 ksi	2.6 mm/min, 100 mm span; ASTM D790
Izod Impact, Notched	2.67 J/cm	5.00 ft-lb/in	ASTM D256
	0.960 J/cm @Temperature -40.0 Â°C	1.80 ft-lb/in @Temperature -40.0 Â°F	ASTM D256
Gardner Impact	13.0 J	9.59 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	112 Â°C @Thickness 6.40 mm	234 Â°F @Thickness 0.252 in	unannealed; ASTM D648
UL RTI, Electrical	50.0 Â°C	122 Â°F	UL 746B
UL RTI, Mechanical with Impact	50.0 Â°C	122 Â°F	UL 746B
UL RTI, Mechanical without Impact	50.0 Â°C	122 Â°F	UL 746B

Thermal Properties	Metric	English	Comments
Flammability, UL94	@Thickness 1.47 mm	@Thickness 0.0579 in	UL 94

Electrical Properties	Metric	English	Comments
Arc Resistance	60 - 120 sec	60 - 120 sec	Tungsten; ASTM D495
Comparative Tracking Index	250 - 400 V	250 - 400 V	UL 746A
Hot Wire Ignition, HWI	30 - 60 sec	30 - 60 sec	UL 746A
High Amp Arc Ignition, HAI	60 - 120 arcs	60 - 120 arcs	UL 746A
High Voltage Arc-Tracking Rate, HVTR	80.0 - 150 mm/min	3.15 - 5.91 in/min	UL 746A

## Contact Songhan Plastic Technology Co.,Ltd.

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