

SABIC Innovative Plastics LNP LUBRICOMP Lexan_WR6300 AES+PC+SAN (Asia Pacific)

Category : Polymer , Thermoplastic , AES Polymer

Material Notes:

Wear resistant PC+SAN, with proprietary lubricant, for business equipment applications.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-LexanWR6300-AESPCSAN-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.17 g/cc	1.17 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
Melt Index of Compound	38 g/10 min @Load 2.16 kg, Temperature 300 Â°C	38 g/10 min @Load 4.76 lb, Temperature 572 Â°F	MVR [cm^3/10 min]; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	61.0 MPa	8850 psi	Type I, 50 mm/min; ASTM D638
Tensile Strength, Yield	60.0 MPa	8700 psi	Type I, 50 mm/min; ASTM D638
Elongation at Break	164 %	164 %	Type I, 50 mm/min; ASTM D638
Flexural Yield Strength	96.0 MPa	13900 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	2.48 GPa	360 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	6.78 J/cm	12.7 ft-lb/in	ASTM D256
	1.65 J/cm @Temperature -30.0 Â°C	3.09 ft-lb/in @Temperature -22.0 Â°F	ASTM D256
Izod Impact, Unnotched	25.31 J/cm	47.42 ft-lb/in	ASTM D4812
Dart Drop, Total Energy	60.0 J @Temperature 23.0 Â°C	44.3 ft-lb @Temperature 73.4 Â°F	ASTM D3763

Thermal Properties	Metric	English	Comments
	106 Âµm/m-Â°C	58.9 Âµin/in-Â°F	

CTE, linear, Parallel to Flow Thermal Properties	Metric @Temperature -40.0 - 40.0 Â°C	English @Temperature -40.0 - 104 Â°F	ASTM E 831 Comments
CTE, linear, Transverse to Flow	119 Âµm/m-Â°C @Temperature -40.0 - 40.0 Â°C	66.1 Âµin/in-Â°F @Temperature -40.0 - 104 Â°F	ASTM E 831
Deflection Temperature at 0.46 MPa (66 psi)	133 Â°C @Thickness 6.40 mm	271 Â°F @Thickness 0.252 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	117 Â°C @Thickness 3.20 mm	243 Â°F @Thickness 0.126 in	unannealed; ASTM D648
	121 Â°C @Thickness 6.40 mm	250 Â°F @Thickness 0.252 in	unannealed; ASTM D648
Vicat Softening Point	136 Â°C	277 Â°F	Rate B/50; ASTM D1525
UL RTI, Electrical	80.0 Â°C	176 Â°F	UL 746B
UL RTI, Mechanical with Impact	80.0 Â°C	176 Â°F	UL 746B
UL RTI, Mechanical without Impact	80.0 Â°C	176 Â°F	UL 746B
Flammability, UL94	HB @Thickness 1.49 mm	HB @Thickness 0.0587 in	UL 94

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