

SABIC Innovative Plastics LNP Lubricomp UCL36AS PPA (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyphthalamide (PPA)

Material Notes:

LNP* LUBRICOMP* UCL36AS is a compound based on Polyphthalamide resin containing Carbon Fiber, PTFE. Added features include; Internally Lubricated, Electrically Conductive, Heat Stabilized. This data was supplied by SABIC-IP for the Europe-Africa-Middle East region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Lubricomp-UCL36AS-PPA-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in ³	ISO 1183
Water Absorption	0.40 % @Temperature 23.0 °C, Time 86400 sec	0.40 % @Temperature 73.4 °F, Time 24.0 hour	ISO 62-1
Linear Mold Shrinkage, Flow	0.00050 - 0.0015 cm/cm	0.00050 - 0.0015 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	256 MPa	37100 psi	5 mm/min; ISO 527
Elongation at Break	1.3 %	1.3 %	5 mm/min; ISO 527
Tensile Modulus	25.1 GPa	3640 ksi	1 mm/min; ISO 527
Flexural Yield Strength	340 MPa	49300 psi	2 mm/min; ISO 178
Flexural Modulus	19.9 GPa	2890 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	7.00 kJ/m ² @Temperature 23.0 °C	3.33 ft-lb/in ² @Temperature 73.4 °F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	40.0 kJ/m ² @Temperature 23.0 °C	19.0 ft-lb/in ² @Temperature 73.4 °F	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	8.00 Åµm/m-Å°C @Temperature 23.0 - 60.0 Å°C	4.44 Åµin/in-Å°F @Temperature 73.4 - 140 Å°F	ISO 11359-2

Thermal Properties <i>CTE, linear, transverse to Flow</i>	51.0 Âµm/m-Â°C Metric	28.3 Âµin/in-Â°F English	Comments ISO 11359-2
	@Temperature 23.0 - 60.0 Â°C	@Temperature 73.4 - 140 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	270 Â°C	518 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

Electrical Properties	Metric	English	Comments
Surface Resistance	10 - 1000 ohm	10 - 1000 ohm	ASTM D 257

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