

LNPT[™] LUBRICOMP[™] COMPOUND SCL36

SCL-4036

REGION ASIA

DESCRIPTION

LNP LUBRICOMP SCL36 compound is based on Nylon 12 resin containing 15% PTFE, 30% carbon fiber. Added features of this grade include: Wear Resistant, Electrically Conductive.

GENERAL INFORMATION

Features	Electrically Conductive, Wear resistant, Carbon fiber filled, High stiffness/Strength
Fillers	Carbon Fiber, PTFE
Polymer Types	Polyamide 12 (Nylon 12)
Processing Techniques	Injection Molding

INDUSTRY

Automotive
Consumer
Electrical and Electronics

SUB INDUSTRY

Automotive Under the Hood
Home Appliances, Commercial Appliance
Electronic Components, Mobile Phone - Computer - Tablets

TYPICAL PROPERTY VALUES

Revision 20231109

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL ⁽¹⁾			
Tensile Stress, break	124	MPa	ASTM D638
Tensile Strain, break	2.7	%	ASTM D638
Tensile Modulus, 50 mm/min	15720	MPa	ASTM D638
Flexural Stress	206	MPa	ASTM D790
Flexural Modulus	13850	MPa	ASTM D790
IMPACT ⁽¹⁾			
Izod Impact, unnotched, 23°C	694	J/m	ASTM D4812
Izod Impact, notched, 23°C	117	J/m	ASTM D256
THERMAL ⁽¹⁾			
HDT, 1.82 MPa, 3.2mm, unannealed	168	°C	ASTM D648
PHYSICAL ⁽¹⁾			
Density	1.27	g/cm ³	ASTM D792

(1) The information stated on Technical Datasheets should be used as indicative only for material selection purposes and not be utilized as specification or used for part or tool design.



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