LNP™ LUBRICOMP™ COMPOUND OCP36F

O-BG SM
REGION ASIA

DESCRIPTION

LNP LUBRICOMP* OCP36F is a compound based on PPS - Linear resin containing 30% Carbon Fiber, 15% PTFE/Silicone. Added features of this grade include: Bearing Grade, Electrically Conductive, Wear Resistant.

TYPICAL PROPERTY VALUES

Revision 20181220

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, break	157	MPa	ASTM D 638
Tensile Strain, break	1.6	%	ASTM D 638
Tensile Modulus, 50 mm/min	18140	MPa	ASTM D 638
Flexural Stress	245	MPa	ASTM D 790
Flexural Modulus	19920	MPa	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	485	J/m	ASTM D 4812
Izod Impact, notched, 23°C	55	J/m	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	260	°C	ASTM D 648
PHYSICAL			
Density	1.51	g/cm³	ASTM D 792
Mold Shrinkage, flow, 24 hrs	0.1 – 0.2	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	0.4 – 0.6	%	ASTM D 955
Wear Factor Washer	24	10^-10 in^5-min/ft-lb-hr	ASTM D 3702 Modified: Manual
Dynamic COF	0.47	-	ASTM D 3702 Modified: Manual
Static COF	0.33	-	ASTM D 3702 Modified: Manual
ELECTRICAL			
Surface Resistivity	1.E+00 – 1.E+02	Ohm	ASTM D 257
INJECTION MOLDING			
Drying Temperature	120 – 150	°C	
Drying Time	4	hrs	
Melt Temperature	315 – 320	°C	
Front - Zone 3 Temperature	330 – 345	°C	
Middle - Zone 2 Temperature	320 – 330	°C	
Rear - Zone 1 Temperature	305 – 315	°C	
Mold Temperature	140 – 165	°C	
Back Pressure	0.2 – 0.3	MPa	
Screw Speed	30 – 60	rpm	

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