+135-3858-6433 (GuangDong)
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LNP™ LUBRICOMP™ COMPOUND RFL26S

RFL-4026 HS

DESCRIPTION

LNP LUBRICOMP RFL26S compound is based on Nylon 6/6 resin containing 30% glass fiber, 10% PTFE. Added features of this grade include: Wear Resistant, Heat Stabilized.

GENERAL INFORMATION	
Features	Heat Stabilized, Wear resistant, High stiffness/Strength
Fillers	Glass Fiber, PTFE
Polymer Types	Polyamide 66 (Nylon 66)
Processing Techniques	Injection Molding

INDUSTRY	SUB INDUSTRY
Building and Construction	Building Component
Consumer	Sport/Leisure, Personal Accessory, Home Appliances, Commercial Appliance
Electrical and Electronics	Mobile Phone - Computer - Tablets
Industrial	Electrical

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL [1]			
Tensile Stress, break	185	MPa	ASTM D638
Tensile Strain, break	3.3	%	ASTM D638
Flexural Stress	275	MPa	ASTM D790
Flexural Modulus	9300	MPa	ASTM D790
IMPACT [1]			
Izod Impact, unnotched, 23°C	1121	J/m	ASTM D4812
Izod Impact, notched, 23°C	128	J/m	ASTM D256
THERMAL [1]			
HDT, 1.82 MPa, 3.2mm, unannealed	253	°C	ASTM D648
PHYSICAL [1]			
Density	1.43	g/cm³	ASTM D792
Wear Factor Washer	5	10^-10 in^5-min/ft-lb-hr	ASTM D3702 Modified: Manual
Dynamic COF	0.66	-	ASTM D3702 Modified: Manual
Static COF	0.57	-	ASTM D3702 Modified: Manual
INJECTION MOLDING [2]			
Drying Temperature	80	°C	
Drying Time	4	Hrs	
Maximum Moisture Content	0.15 – 0.25	%	
Melt Temperature	280 – 305	°C	
Front - Zone 3 Temperature	295 – 305	°C	

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PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Middle - Zone 2 Temperature	280 – 295	°C	
Rear - Zone 1 Temperature	265 – 275	°C	
Mold Temperature	95 – 110	°C	
Back Pressure	0.2 – 0.3	MPa	
Screw Speed	30 – 60	rpm	