سابك
sabic

LNP™ LUBRICOMP™ COMPOUND RFL26

RFL-4026

DESCRIPTION

LNP LUBRICOMP RFL26 compound is based on Nylon 6/6 resin containing 30% glass fiber, 10% PTFE. Added features of this grade include: Wear Resistant.

GENERAL INFORMATION

Features	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 Stress	262	MPa	ISO 178
IMPACT [1]			
Multiaxial Impact	4	J	ISO 6603
THERMAL [1]			
CTE, -40°C to 40°C, flow	3.E-05	1/°C	ASTM E831
Relative Temp Index, Elec [2]	65	°C	UL 746B
Relative Temp Index, Mech w/impact [2]	65	°C	UL 746B
Relative Temp Index, Mech w/o impact [2]	65	°C	UL 746B
PHYSICAL [1]			
Density	1.46	g/cm³	ASTM D792
Wear Factor Washer	6	10^-10 in^5-min/ft-lb-hr	ASTM D3702 Modified: Manual
Dynamic COF	0.61	-	ASTM D3702 Modified: Manual
FLAME CHARACTERISTICS [2]			
UL Yellow Card Link	E121562-101282712	-	-
UL Recognized, 94HB Flame Class Rating	≥1.5	mm	UL 94
INJECTION MOLDING [3]			
Drying Temperature	80	°C	

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Drying Time	4	Hrs	
Maximum Moisture Content	0.15 – 0.25	%	
Melt Temperature	280 – 305	°C	
Front - Zone 3 Temperature	295 – 305	°C	
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	