LNP™ LUBRICOMP™ EFL34HL compound

Polyether Imide

SABIC Innovative Plastics

Message:

LNP* LUBRICOMP* EFL34HL is a compound based on Polyetherimide resin containing 20% Glass Fiber, 15% PTFE. Added features of this material include: Wear Resistant, Low Extractable.
Also known as: LNP* LUBRICOMP* Compound EFL-4034 LE
Product reorder name: EFL34HL

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Additive	PTFE Lubricant (15%)		
Features	Good Wear Resistance Low Extractables Lubricated		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.54	g/cm³	ASTM D792, ISO 1183
Molding Shrinkage			
Flow : 24 hr	0.30	%	ASTM D955
Across Flow : 24 hr	0.60	%	ASTM D955, ISO 294-4
Flow : 24 hr	0.33	%	ISO 294-4
Water Absorption			
24 hr, 50% RH	0.17	%	ASTM D570
Equilibrium, 23°C, 50% RH	0.23	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus			
-- [1]	7580	MPa	ASTM D638
--	7400	MPa	ISO 527-2/1
Tensile Strength (Break)	113	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	2.2	%	ASTM D638, ISO 527-2
Flexural Modulus			
--	7520	MPa	ASTM D790
--	7950	MPa	ISO 178
Flexural Strength			
--	179	MPa	ASTM D790
--	181	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			
23°C	69	J/m	ASTM D256

23°C [2]	21	kJ/m²	ISO 180/1A
Unnotched Izod Impact			
23°C	480	J/m	ASTM D4812
23°C [3]	32	kJ/m²	ISO 180/1U
Instrumented Dart Impact			
23°C, Energy at Peak Load	8.60	J	ASTM D3763
--	2.65	J	ISO 6603-2

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed, 3.20 mm	203	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span [4]	204	°C	ISO 75-2/Af

Injection	Nominal Value	Unit
Drying Temperature	121 to 149	°C
Drying Time	4.0 to 6.0	hr
Suggested Max Moisture	0.020	%
Rear Temperature	343 to 354	°C
Middle Temperature	354 to 366	°C
Front Temperature	366 to 377	°C
Processing (Melt) Temp	360 to 366	°C
Mold Temperature	121 to 149	°C
Back Pressure	0.344 to 0.689	MPa
Screw Speed	60 to 100	rpm

NOTE	
1.	50 mm/min
2.	80*10*4
3.	80*10*4
4.	80*10*4 mm

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China