

LNP™ LUBRICOMP™ RCL34 compound

Polyamide 66

SABIC Innovative Plastics Europe

Message:

LNP LUBRICOMP RCL34 is a compound based on Nylon 66 resin containing PTFE, Carbon Fiber. Added features of this material include: Electrically Conductive.

Also known as: LNP* LUBRICOMP* Compound RCL-4034

Product reorder name: RCL34

General Information			
Filler / Reinforcement	Carbon Fiber		
Additive	PTFE Lubricant		
Features	Electrically Conductive		
	Lubricated		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.31	g/cm ³	ISO 1183
Molding Shrinkage - Flow ¹	0.20 to 0.40	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	14900	MPa	ISO 527-2/1
Tensile Stress (Break)	204	MPa	ISO 527-2/5
Tensile Strain (Break)	2.3	%	ISO 527-2/5
Flexural Modulus ²	11500	MPa	ISO 178
Flexural Stress	281	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	9.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	50	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵			
0.45 MPa, Unannealed, 64.0 mm Span	262	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	252	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	9.0E-6	cm/cm/°C	
Transverse : 23 to 60°C	7.6E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2 to 1.0E+3	ohms	ASTM D257
NOTE			
1.	Tensile Bar		
2.	2.0 mm/min		
3.	80*10*4		

4.	80*10*4
5.	80*10*4 mm

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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

