

LNP™ LUBRICOMP™ RX05050 compound

Polyamide 66

SABIC Innovative Plastics Europe

Message:

LNP LUBRICOMP RX05050 is a compound based on Nylon 66 resin containing PTFE, Aramid Fiber, Carbon Fiber. Added features of this material include: Electrically Conductive.
Also known as: LNP* LUBRICOMP* Compound RCAL-4024
Product reorder name: RX05050

General Information			
Filler / Reinforcement	Aramid Fiber		
	Carbon Fiber		
Additive	PTFE Lubricant		
Features	Electrically Conductive		
	Lubricated		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.27	g/cm ³	ISO 1183
Molding Shrinkage - Flow ¹	0.50 to 0.90	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8700	MPa	ISO 527-2/1
Tensile Stress (Break)	129	MPa	ISO 527-2/5
Tensile Strain (Break)	3.3	%	ISO 527-2/5
Flexural Modulus ²	7200	MPa	ISO 178
Flexural Stress	187	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	5.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	35	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵			
0.45 MPa, Unannealed, 64.0 mm Span	258	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	238	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	2.4E-5	cm/cm/°C	
Transverse : 23 to 60°C	8.8E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+3 to 1.0E+5	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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

