

LNP™ LUBRILOY™ RX05497 compound

Polyamide 66
SABIC Innovative Plastics

Message:

LNP LUBRILOY* RX05497 is a compound based on Nylon 66 resin containing Proprietary Lubricant. Added feature of this material is: Wear Resistant.
Also known as: LNP* LUBRILOY* Compound RW
Product reorder name: RX05497

General Information			
UL YellowCard	E121562-101343459		
Additive	Lubricant		
Features	Good Wear Resistance		
	Lubricated		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage			ASTM D955, ISO 294-4
Flow : 24 hr	2.3 to 2.5	%	
Across Flow : 24 hr	2.3 to 2.5	%	
Water Absorption			
24 hr, 50% RH	0.88	%	ASTM D570
Equilibrium, 23°C, 50% RH	1.2	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	3050	MPa	ASTM D638
--	2730	MPa	ISO 527-2/1
Tensile Strength			
Yield	82.5	MPa	ASTM D638
Yield	69.0	MPa	ISO 527-2
Break	67.0	MPa	ASTM D638
Break	57.0	MPa	ISO 527-2
Tensile Elongation			
Yield	5.3	%	ASTM D638
Yield	17	%	ISO 527-2
Break	24	%	ASTM D638
Break	31	%	ISO 527-2
Flexural Modulus			
--	2800	MPa	ASTM D790
--	2430	MPa	ISO 178
Flexural Strength			

--	105	MPa	ASTM D790
--	90.7	MPa	ISO 178
Coefficient of Friction			ASTM D3702 Modified
vs. Itself - Dynamic	0.30		
vs. Itself - Static	0.16		
Wear Factor - Washer	10.0	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D3702 Modified
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	64	J/m	ASTM D256
23°C ²	6.9	kJ/m ²	ISO 180/1A
Unnotched Izod Impact			
23°C	No Break		ASTM D4812
23°C ³	140	kJ/m ²	ISO 180/1U
Instrumented Dart Impact			
23°C, Energy at Peak Load	60.1	J	ASTM D3763
--	76.1	J	ISO 6603-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed, 3.20 mm	58.9	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ⁴	58.0	°C	ISO 75-2/Af
CLTE			ASTM E831, ISO 11359-2
Flow : -40 to 40°C	9.9E-5	cm/cm/°C	
Transverse : -40 to 40°C	9.1E-5	cm/cm/°C	
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15 to 0.25	%	
Rear Temperature	266 to 277	°C	
Middle Temperature	282 to 293	°C	
Front Temperature	293 to 304	°C	
Processing (Melt) Temp	282 to 304	°C	
Mold Temperature	93.3 to 110	°C	
Back Pressure	0.172 to 0.344	MPa	
Screw Speed	30 to 60	rpm	
NOTE			
1.	50 mm/min		
2.	80*10*4		
3.	80*10*4		
4.	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.

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



WECHAT