

# LNP™ LUBRICOMP™ RL004S compound

Polyamide 66  
SABIC Innovative Plastics

Message:

LNP LUBRICOMP RL004S is a compound based on Nylon 66 resin containing PTFE. Added features of this material include: Heat Stabilized.  
Also known as: LNP\* LUBRICOMP\* Compound RL-4040 HS  
Product reorder name: RL004S

General Information			
Additive	PTFE lubricant		
	heat stabilizer		
Features	Thermal Stability		
	Lubrication		
RoHS Compliance	RoHS compliance		
Physical	Nominal Value	Unit	Test Method
Density	1.27	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage - Flow <sup>1</sup>	1.8 - 2.3	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2700	MPa	ISO 527-2/1
Tensile Stress (Break)	61.0	MPa	ISO 527-2/5
Tensile Strain (Break)	11	%	ISO 527-2/5
Flexural Modulus <sup>2</sup>	2400	MPa	ISO 178
Flexural Stress	90.0	MPa	ISO 178
Coefficient of Friction			ASTM D3702 Modified
With self-dynamics	0.23		ASTM D3702 Modified
With Self-Static	0.21		ASTM D3702 Modified
Wear Factor - Washer	16.0	10 <sup>-10</sup> in <sup>5</sup> -min/ft-lb-hr	ASTM D3702 Modified
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact <sup>3</sup> (23°C)	5.0	kJ/m <sup>2</sup>	ISO 180/1A
Unnotched Izod Impact Strength <sup>4</sup> (23°C)	40	kJ/m <sup>2</sup>	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature <sup>5</sup>			
0.45 MPa, unannealed, 64.0mm span	219	°C	ISO 75-2/Bf
1.8 MPa, unannealed, 64.0mm span	75.0	°C	ISO 75-2/Af
NOTE			
1.	Tensile Bar		
2.	2.0 mm/min		
3.	80*10*4		
4.	80*10*4		

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

