

## SABIC Innovative Plastics LNP LUBRICOMP RCL26 PA6.6

Category : Polymer , Thermoplastic , Nylon , Nylon 66

### Material Notes:

LNP\* LUBRICOMP\* RCL26 is a compound based on Nylon 66 containing 30% Carbon Fiber, 10% PTFE. Added features of this grade include:  
Wear Resistant, Electrically Conductive.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-LUBRICOMP-RCL26-PA66.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-RCL26-PA66.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.34 g/cc	1.34 g/cc	ASTM D792
Density	1.34 g/cc	0.0484 lb/in <sup>3</sup>	ASTM D792
Moisture Absorption	0.580 %	0.580 %	50% RH, 24 hrs; ASTM D570
	0.790 %	0.790 %	23 <sup>o</sup> C / 50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	236 MPa	34200 psi	5 mm/min; ISO 527
	243 MPa	35200 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	1.8 %	1.8 %	5 mm/min; ISO 527
	1.9 %	1.9 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	23.25 GPa	3372 ksi	1 mm/min; ISO 527
	24.24 GPa	3516 ksi	5 mm/min; ASTM D638
Flexural Strength	332 MPa	48200 psi	ISO 178
	356 MPa	51600 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	18.95 GPa	2748 ksi	2 mm/min; ISO 178
	19.1 GPa	2770 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.840 J/cm	1.57 ft-lb/in	ASTM D256

Izod Impact, Unnotched Mechanical Properties	8.67 J/cm Metric	16.2 ft-lb/in English	ASTM D4812 Comments
Izod Impact, Notched (ISO)	8.00 kJ/m <sup>2</sup>	3.81 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	52.0 kJ/m <sup>2</sup>	24.7 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1U
Dart Drop, Total Energy	6.00 J @Temperature 23.0 Â°C	4.43 ft-lb @Temperature 73.4 Â°F	ASTM D3763
Impact Test	3.00 J	2.21 ft-lb	Multiaxial Impact; ISO 6603
Coefficient of Friction, Dynamic	0.41	0.41	ASTM D3702 Modified
Coefficient of Friction, Static	0.33	0.33	ASTM D3702 Modified
K (wear) Factor	86.6 x 10 <sup>-8</sup> mm <sup>3</sup> /N-M	43.0 x 10 <sup>-10</sup> in <sup>3</sup> - min/ft-lb-hr	Washer; ASTM D3702 Modified

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	18.0 Âµm/m-Â°C @Temperature -30.0 - 30.0 Â°C	10.0 Âµin/in-Â°F @Temperature -22.0 - 86.0 Â°F	ASTM D696
CTE, linear, Transverse to Flow	43.0 Âµm/m-Â°C @Temperature -30.0 - 30.0 Â°C	23.9 Âµin/in-Â°F @Temperature -22.0 - 86.0 Â°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	260 Â°C	500 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
	260 Â°C @Thickness 3.20 mm	500 Â°F @Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	252 Â°C	486 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	254 Â°C @Thickness 3.20 mm	489 Â°F @Thickness 0.126 in	unannealed; ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China