

SABIC Innovative Plastics LNP LUBRICOMP RFL22E PA6.6 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP* LUBRICOMP* RFL22E Is a compound based on PA66 resin, containing Glass Fiber and PTFE. Added features include: Internally Lubricated, Easy Moulding

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-RFL22E-PA66-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.28 g/cc	0.0462 lb/in ³	ISO 1183
Water Absorption	0.93 %	0.93 %	ISO 62-1
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0050 - 0.0060 cm/cm	0.0050 - 0.0060 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	95.0 MPa	13800 psi	5 mm/min; ISO 527
Elongation at Break	2.7 %	2.7 %	5 mm/min; ISO 527
	4.7 %	4.7 %	
Tensile Modulus	4.40 GPa	638 ksi	1 mm/min; ISO 527
Flexural Yield Strength	138 MPa	20000 psi	2 mm/min; ISO 178
Flexural Modulus	4.50 GPa	653 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	4.00 kJ/m ²	1.90 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	25.0 kJ/m ²	11.9 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	42.0 $\mu\text{m/m}\cdot\text{Å}^\circ\text{C}$	23.3 $\mu\text{in/in}\cdot\text{Å}^\circ\text{F}$	ISO 11359-2
	@Temperature 23.0 - 60.0 $\text{Å}^\circ\text{C}$	@Temperature 73.4 - 140 $\text{Å}^\circ\text{F}$	
CTE, linear, Transverse to Flow	100 $\mu\text{m/m}\cdot\text{Å}^\circ\text{C}$	55.6 $\mu\text{in/in}\cdot\text{Å}^\circ\text{F}$	ISO 11359-2
	@Temperature 23.0 - 60.0 $\text{Å}^\circ\text{C}$	@Temperature 73.4 - 140 $\text{Å}^\circ\text{F}$	
Deflection Temperature at 0.46 MPa (66 psi)	256 $\text{Å}^\circ\text{C}$	493 $\text{Å}^\circ\text{F}$	Flatw 80*10*4 sp=64mm; ISO 75/Bf

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	236 Â°C	457 Â°F	Flatw 80*10*4 ep=64mm; ISO 75/Af
Glow Wire Test	675 Â°C	1250 Â°F	IEC 60695-2-13

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