LNP™ LUBRICOMP™ RA004 compound

Polyamide 66

SABIC Innovative Plastics

Message:

LNP LUBRICOMP* RA004 is a compound based on Nylon 66 resin containing Aramid. Added features of this material include: Internally Lubricated.
Also known as: LNP* LUBRICOMP* Compound RA-1004
Product reorder name: RA004

General Information			
Filler / Reinforcement	Aramid fiber		
Additive	Lubricant		
Features	Lubrication		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.23	g/cm³	ASTM D792
Molding Shrinkage			ASTM D955
Flow: 24 hours	1.5	%	ASTM D955
Transverse flow: 24 hours	2.0	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	88.3	MPa	ASTM D638
Tensile Elongation (Break)	4.5	%	ASTM D638
Flexural Modulus	4410	MPa	ASTM D790
Flexural Strength	138	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	32	J/m	ASTM D256
Unnotched Izod Impact (23°C)	370	J/m	ASTM D4812
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	171	°C	ASTM D648
Injection	**Nominal Value**	**Unit**	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15 - 0.25	%	
Rear Temperature	266 - 277	°C	
Middle Temperature	282 - 293	°C	
Front Temperature	293 - 304	°C	
Processing (Melt) Temp	277 - 288	°C	
Mold Temperature	82.2 - 93.3	°C	
Back Pressure	0.172 - 0.344	MPa	
Screw Speed	30 - 60	rpm	

Recommended distributors for this material

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