

LNP™ LUBRICOMP™ RA004 compound

Polyamide 66
SABIC Innovative Plastics

Message:

LNP LUBRICOMP* RA004 is a compound based on Nylon 66 resin containing 20% Aramid. Added features of this material include: Wear Resistant.
Also known as: LNP* LUBRICOMP* Compound RA-1004
Product reorder name: RA004

General Information			
Filler / Reinforcement	Aramid Fiber,20% Filler by Weight		
Additive	Lubricant		
Features	Good Wear Resistance		
	Lubricated		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	g/cm³	ASTM D792
Molding Shrinkage			ASTM D955
Flow : 24 hr	1.5	%	
Across Flow : 24 hr	2.0	%	
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 to 0.25	%	
Rear Temperature	266 to 277	°C	
Middle Temperature	282 to 293	°C	
Front Temperature	293 to 304	°C	
Processing (Melt) Temp	277 to 288	°C	
Mold Temperature	82.2 to 93.3	°C	
Back Pressure	0.172 to 0.344	MPa	

Screw Speed

30 to 60

rpm

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Recommended distributors for this material

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