

LNP™ LUBRICOMP™ XFL21R compound

Polyamide
SABIC Innovative Plastics

Message:

LNP LUBRICOMP XFL21R is a compound based on Amorphous Nylon resin containing 5% Glass Fiber, 10% PTFE. Added features of this material include: Wear Resistant, Mold Release.

Also known as: LNP* LUBRICOMP* Compound XFL-4021 MR

Product reorder name: XFL21R

General Information			
Filler / Reinforcement	Glass Fiber,5.0% Filler by Weight		
Additive	Mold Release		
	PTFE Lubricant (10%)		
Features	Good Wear Resistance		
	Lubricated		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm ³	ASTM D792
Molding Shrinkage - Flow (24 hr)	0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	3740	MPa	ASTM D638
Tensile Strength (Break)	84.1	MPa	ASTM D638
Tensile Elongation (Break)	4.1	%	ASTM D638
Flexural Modulus	3900	MPa	ASTM D790
Flexural Strength	131	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	59	J/m	ASTM D256
Unnotched Izod Impact (23°C)	510	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	138	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	100 to 120	°C	
Drying Time	6.0 to 12	hr	
Suggested Max Moisture	0.10	%	
Rear Temperature	260 to 270	°C	
Middle Temperature	270 to 290	°C	
Front Temperature	290 to 300	°C	
Processing (Melt) Temp	260 to 300	°C	

Mold Temperature	50.0 to 100	°C
Back Pressure	0.170 to 0.340	MPa
Screw Speed	30 to 60	rpm

NOTE

1. 50 mm/min

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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

