

LNP™ LUBRICOMP™ 5CL24 compound

Polyvinylidene Fluoride

SABIC Innovative Plastics

Message:

LNP* LUBRICOMP* 5CL24 is a compound based on Polyvinylidene Fluoride resin containing 10% PTFE and 20% Carbon Fiber. Added feature of this material is: Wear Resistant.
Also known as: LNP* LUBRICOMP* Compound FP-VCL-4024
Product reorder name: 5CL24

General Information			
Filler / Reinforcement	Carbon Fiber,20% Filler by Weight		
Additive	PTFE Lubricant (10%)		
Features	Good Wear Resistance		
	Lubricated		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.78	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	17100	MPa	ASTM D638
Tensile Strength (Break)	117	MPa	ASTM D638
Tensile Elongation (Break)	1.3	%	ASTM D638
Flexural Modulus	14800	MPa	ASTM D790
Flexural Strength	172	MPa	ASTM D790
Injection	Nominal Value	Unit	
Drying Temperature	120 to 150	°C	
Drying Time	4.0	hr	
Rear Temperature	190 to 210	°C	
Middle Temperature	210 to 225	°C	
Front Temperature	225 to 245	°C	
Processing (Melt) Temp	215 to 230	°C	
Mold Temperature	65.0 to 90.0	°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

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