

LubriOne™ SF-30GF/15T

Polyphenylene Sulfide

PolyOne Corporation

Message:

LubriOne™ Lubricated and Wear-Resistant Compounds have been specifically formulated to be self-lubricating materials, offering low coefficient of friction and improved wear resistance properties. LubriOne compounds have been demonstrated to reduce friction, noise, vibration, heat buildup and improve product durability.

General Information			
Features	Lubricated		
Uses	Appliance Components		
	Conveyor Parts		
	Printer Parts		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.70	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.25	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	12100	MPa	ASTM D638
Tensile Strength ² (Break)	138	MPa	ASTM D638
Tensile Elongation ³ (Break)	4.0	%	ASTM D638
Flexural Modulus	10300	MPa	ASTM D790
Flexural Strength	159	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.35 mm, Injection Molded)	110	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	270	°C	
1.8 MPa, Unannealed	260	°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	ASTM D257
Volume Resistivity	1.0E+14	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	140 to 150	°C	
Drying Time	4.0	hr	
Mold Temperature	130 to 150	°C	

NOTE

1.	Type I, 5.1 mm/min
2.	Type I, 5.1 mm/min
3.	Type I, 5.1 mm/min

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