

# LubriOne™ SF2-30CF/15T Natural

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			
UL YellowCard	E76261-101373937		
Features	Electrically Conductive		
	Good Chemical Resistance		
	Good Wear Resistance		
	High Heat Resistance		
	High Rigidity		
	Lubricated		
	Semi Crystalline		
Uses	Appliance Components		
	Automotive Applications		
	Bearings		
	Business Equipment		
	Consumer Applications		
	Conveyor Parts		
	Gears		
	Industrial Applications		
	Printer Parts		
	Pulleys		
Rollers			
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.52	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.10 to 0.20	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus <sup>1</sup>	27600	MPa	ASTM D638
Tensile Strength <sup>2</sup> (Yield)	179	MPa	ASTM D638
Tensile Elongation <sup>3</sup> (Break)	1.0 to 2.0	%	ASTM D638
Flexural Modulus <sup>4</sup>	23100	MPa	ASTM D790

Flexural Strength <sup>5</sup>	283	MPa	ASTM D790
Coefficient of Friction			ASTM D1894
vs. Steel - Dynamic	0.35		
vs. Steel - Static	0.25		
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.35 mm, Injection Molded)	59	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm)	> 245	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Processing (Melt) Temp	316 to 332	°C	
Mold Temperature	93.3 to 149	°C	
NOTE			
1.	Type I, 5.1 mm/min		
2.	5.1 mm/min		
3.	Type I, 5.1 mm/min		
4.	1.3 mm/min		
5.	1.3 mm/min		

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#### Recommended distributors for this material

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