

LubriOne™ 5209 FPL 20 Natural

Acetal (POM) Copolymer

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	Copolymer		
	Good Wear Resistance		
	Low Friction		
	Lubricated		
Uses	Appliance Components		
	Conveyor Parts		
	Printer Parts		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.51	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	2.0 to 3.0	%	
Across Flow	1.0 to 3.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2420	MPa	ASTM D638
Tensile Strength ² (Yield)	42.1	MPa	ASTM D638
Tensile Elongation ³ (Break)	26	%	ASTM D638
Flexural Modulus ⁴	1790	MPa	ASTM D790
Flexural Strength ⁵	68.3	MPa	ASTM D790
Coefficient of Friction			ASTM D1894
vs. Steel - Dynamic	0.12		
vs. Steel - Static	0.13		
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Injection Molded)	37	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.35 mm	153	°C	
1.8 MPa, Unannealed, 6.35 mm	82.8	°C	

NOTE	
1.	Type I, 5.1 mm/min
2.	Type I, 5.1 mm/min
3.	Type I, 5.1 mm/min
4.	1.3 mm/min
5.	1.3 mm/min

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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



WECHAT