

## PolyOne LubriOne™ ATT-000/5T Black Acetal (POM) Copolymer

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Unreinforced

### Material Notes:

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. SAP Code: EM00903268\*Information provided by PolyOne

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-LubriOne-ATT-0005T-Black-Acetal-POM-Copolymer.php](http://www.lookpolymers.com/polymer_PolyOne-LubriOne-ATT-0005T-Black-Acetal-POM-Copolymer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.38 g/cc	1.38 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.015 - 0.020 cm/cm	0.015 - 0.020 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	35.9 MPa	5210 psi	Type I, 5.1 mm/min; ASTM D638
Elongation at Break	4.0 %	4.0 %	Type I, 5.1 mm/min; ASTM D638
Tensile Modulus	1.38 GPa	200 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Modulus	1.03 GPa	149 ksi	ASTM D790
Izod Impact, Notched	0.960 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	1.80 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Injection Molded; ASTM D256A

Processing Properties	Metric	English	Comments
Melt Temperature	188 - 210 °C	370 - 410 °F	
Mold Temperature	71.1 - 82.2 °C	160 - 180 °F	
Drying Temperature	71.1 °C	160 °F	

Descriptive Properties	Value	Comments
Features	Copolymer	
	Good Wear Resistance	
	Low Friction	
	Lubricated	
Forms	Pellets	

Descriptive Properties	Value (POM) Copolymer	Comments
Generic Name	Acetal (POM) Copolymer	
Processing Method	Injection Molding	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Appliance Components	
	Automotive Applications	
	Bearings	
	Business Equipment	
	Consumer Applications	
	Conveyor Parts	
	Gears	
	Industrial Applications	
	Printer Parts	
	Pulleys	
	Rollers	

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