

PolyOne LubriOne™ AS-000/15T Acrylonitrile Butadiene Styrene (ABS)

Category : Polymer , Thermoplastic , ABS Polymer

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. Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-LubriOne-AS-00015T-Acrylonitrile-Butadiene-Styrene-ABS.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.16 g/cc	1.16 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0030 - 0.0040 cm/cm	0.0030 - 0.0040 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	34.5 MPa	5000 psi	Type I, 5.1 mm/min; ASTM D638
Elongation at Break	13 %	13 %	Type I, 5.1 mm/min; ASTM D638
Tensile Modulus	1.38 GPa	200 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	79.3 MPa	11500 psi	ASTM D790
Flexural Modulus	1.38 GPa	200 ksi	ASTM D790
Izod Impact, Notched	0.760 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	1.42 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Injection Molded; ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	95.0 °C @Thickness 3.18 mm	203 °F @Thickness 0.125 in	Annealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	85.0 °C @Thickness 3.18 mm	185 °F @Thickness 0.125 in	Annealed; ASTM D648
Flammability, UL94	HB	HB	UL 94

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	ASTM D257

Processing Properties	Metric	English	Comments
-----------------------	--------	---------	----------

Processing Properties	Metric ^{85.0 °C}	English ^{185 °F}	Comments
Drying Temperature	80.0 - 85.0 °C	176 - 185 °F	
Dry Time	2.00 hour	2.00 hour	

Descriptive Properties	Value	Comments
Features	Lubricated	
Forms	Pellets	
Generic Material	ABS	
Generic Name	Acrylonitrile Butadiene Styrene (ABS)	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	South America	
RoHS Compliance	RoHS Compliant	
Uses	Appliance Components	
	Conveyor Parts	
	Printer Parts	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China