

Adamas Adalon® 503 PTFE, 0.1% MoS2

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE

Material Notes:

Information provided by Adamas, HPM

Order this product through the following link:

http://www.lookpolymers.com/polymer_Adamas-Adalon-503-PTFE-01-MoS2.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.15 - 2.17 g/cc	2.15 - 2.17 g/cc	ASTM D792
Water Absorption	0.015 %	0.015 %	ASTM D570
Deformation	6.0 - 6.9 %	6.0 - 6.9 %	Permanent deformation after 24 hrs @ 23°C; ASTM D621
	10 - 12.9 %	10 - 12.9 %	ASTM D621

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	52 - 56	52 - 56	ASTM D2240
Ball Indentation Hardness	40.0 - 46.0 MPa	5800 - 6670 psi	ISO 2032-N132
Tensile Strength at Break	>= 26.0 MPa	>= 3770 psi	ASTM D4745-11
Elongation at Break	>= 240 %	>= 240 %	ASTM D4745-11
Coefficient of Friction, Dynamic	0.060 - 0.080	0.060 - 0.080	ASTM D1894
Coefficient of Friction, Static	0.016 - 0.60	0.016 - 0.60	ASTM D1894

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.250 W/m-K	1.74 BTU-in/hr-ft ² -°F	ASTM C 177
Melting Point	327 °C	621 °F	DSC
Maximum Service Temperature, Air	260 °C	500 °F	DSC
Minimum Service Temperature, Air	-80.0 °C	-112 °F	DSC
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+8 ohm-cm	1.00e+8 ohm-cm	ASTM D257
Surface Resistance	1.00e+6 ohm	1.00e+6 ohm	ASTM D257

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