

Adamas Adalon® 807 PTFE, 40% Bronze + 5 MoS2

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE , Polytetrafluoroethylene (PTFE), Bronze Filled

Material Notes:

Information provided by Adamas, HPM

Order this product through the following link:

http://www.lookpolymers.com/polymer_Adamas-Adalon-807-PTFE-40-Bronze-5-MoS2.php

Physical Properties	Metric	English	Comments
Specific Gravity	3.16 - 3.20 g/cc	3.16 - 3.20 g/cc	ASTM D792
Deformation	7.0 - 10 %	7.0 - 10 %	ASTM D621

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	58 - 62	58 - 62	ASTM D2240
Ball Indentation Hardness	48.0 - 52.0 MPa	6960 - 7540 psi	ISO 2032
Tensile Strength at Break	>= 20.0 MPa	>= 2900 psi	ISO 527-1
Elongation at Break	>= 200 %	>= 200 %	ISO 527-1
Coefficient of Friction, Dynamic	0.14 - 0.16	0.14 - 0.16	ASTM D1894
Coefficient of Friction, Static	0.16 - 0.18	0.16 - 0.18	ASTM D1894

Thermal Properties	Metric	English	Comments
Melting Point	327 °C	621 °F	DSC
Maximum Service Temperature, Air	260 °C	500 °F	DSC
Minimum Service Temperature, Air	-100 °C	-148 °F	DSC
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+7 ohm-cm	1.00e+7 ohm-cm	ASTM D257

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