

Adamas Adalon® 203 PTFE, 15/5% Glass/Graphite Filled

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE , Polytetrafluoroethylene (PTFE), Glass Filled, Molded

Material Notes:

Information provided by Adamas, HPM

Order this product through the following link:

http://www.lookpolymers.com/polymer_Adamas-Adalon-203-PTFE-155-GlassGraphite-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.18 - 2.22 g/cc	2.18 - 2.22 g/cc	ASTM D792
Deformation	10 - 12 %	10 - 12 %	Permanent deformation after 24 hrs @ 23°C; ASTM D621
	11 - 13 %	11 - 13 %	ASTM D621

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	58 - 62	58 - 62	ASTM D2240
Tensile Strength at Break	>= 18.0 MPa	>= 2610 psi	ASTM D4894
Elongation at Break	>= 200 %	>= 200 %	ASTM D4894
Coefficient of Friction, Dynamic	0.080 - 0.12	0.080 - 0.12	ASTM D1894
Coefficient of Friction, Static	0.12 - 0.15	0.12 - 0.15	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	10000 ohm-cm	10000 ohm-cm	ASTM D257
Surface Resistance	1000 ohm	1000 ohm	ASTM D257

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