

**Adamas Adalon® 209 PTFE, 15% Glass 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-209-PTFE-15-Glass-Filled.php](http://www.lookpolymers.com/polymer_Adamas-Adalon-209-PTFE-15-Glass-Filled.php)

Physical Properties	Metric	English	Comments
Specific Gravity	2.20 - 2.23 g/cc	2.20 - 2.23 g/cc	ASTM D792
Deformation	5.4 - 6.4 %	5.4 - 6.4 %	Permanent deformation after 24 hrs @ 23°C; ASTM D621
	11 - 13 %	11 - 13 %	ASTM D621

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	60 - 64	60 - 64	ASTM D2240
Tensile Strength at Break	>= 19.0 MPa	>= 2760 psi	ASTM D4894
Elongation at Break	>= 210 %	>= 210 %	ASTM D4894
Coefficient of Friction, Dynamic	0.11 - 0.13	0.11 - 0.13	ASTM D1894
Coefficient of Friction, Static	0.18 - 0.20	0.18 - 0.20	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	-120 °C	-184 °F	DSC
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	ASTM D257
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	ASTM D257

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