

**Adamas Adalon® 205 PTFE, 15/5% Glass/MoS2 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-205-PTFE-155-GlassMoS2-Filled.php](http://www.lookpolymers.com/polymer_Adamas-Adalon-205-PTFE-155-GlassMoS2-Filled.php)

Physical Properties	Metric	English	Comments
Specific Gravity	2.26 - 2.28 g/cc	2.26 - 2.28 g/cc	ASTM D792
Deformation	5.3 - 6.5 %	5.3 - 6.5 %	Permanent deformation after 24 hrs @ 23°C; ASTM D621
	10 - 12 %	10 - 12 %	ASTM D621

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	55 - 59	55 - 59	ASTM D2240
Ball Indentation Hardness	42.0 - 46.0 MPa	6090 - 6670 psi	ISO 2032-N132
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	0.10 - 0.15	0.10 - 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	-20.0 °C	-4.00 °F	DSC
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	ASTM D257
Surface Resistance	1.00e+13 ohm	1.00e+13 ohm	ASTM D257

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