

## Adamas Adalon® 805 PTFE, 40% Bronze

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-805-PTFE-40-Bronze.php](http://www.lookpolymers.com/polymer_Adamas-Adalon-805-PTFE-40-Bronze.php)

Physical Properties	Metric	English	Comments
Specific Gravity	3.07 - 3.10 g/cc	3.07 - 3.10 g/cc	ASTM D792
Water Absorption	0.020 %	0.020 %	ASTM D570
Deformation	7.0 - 9.9 %	7.0 - 9.9 %	Permanent deformation after 24 hrs @ 23°C; ASTM D621
	7.0 - 10 %	7.0 - 10 %	ASTM D621

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	58 - 62	58 - 62	ASTM D2240
Tensile Strength at Break	>= 20.0 MPa	>= 2900 psi	ASTM D4745-11
Elongation at Break	>= 200 %	>= 200 %	ASTM D4745-11
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
Thermal Conductivity	0.350 W/m-K	2.43 BTU-in/hr-ft <sup>2</sup> -°F	ASTM C 177
Melting Point	327 °C	621 °F	DSC
Maximum Service Temperature, Air	260 °C	500 °F	DSC
Minimum Service Temperature, Air	-140 °C	-220 °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
Surface Resistance	1e+05	1e+05	ASTM D257

## **Contact Songhan Plastic Technology Co.,Ltd.**

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