

Adamas Adalon® 826 PTFE, 50% Stainless steel

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE

Material Notes:

Information provided by Adamas, HPM

Order this product through the following link:

http://www.lookpolymers.com/polymer_Adamas-Adalon-826-PTFE-50-Stainless-steel.php

Physical Properties	Metric	English	Comments
Specific Gravity	3.30 - 3.35 g/cc	3.30 - 3.35 g/cc	ASTM D792
Deformation	6.0 - 7.5 %	6.0 - 7.5 %	ASTM D621

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	60 - 65	60 - 65	ASTM D2240
Ball Indentation Hardness	40.0 - 44.0 MPa	5800 - 6380 psi	ISO 2032
Tensile Strength at Break	>= 18.0 MPa	>= 2610 psi	ASTM D4894
Elongation at Break	>= 180 %	>= 180 %	ASTM D4894
Tensile Modulus	1.66 GPa	241 ksi	ASTM D638
Coefficient of Friction, Dynamic	0.41 - 0.43	0.41 - 0.43	ASTM D1894
Coefficient of Friction, Static	0.44 - 0.46	0.44 - 0.46	ASTM D1894

Thermal Properties	Metric	English	Comments
CTE, linear	82.8 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	46.0 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	ASTM D696
Thermal Conductivity	0.390 W/m-K	2.71 BTU-in/hr-ft ² -°F	ASTM C 177
Melting Point	327 °C	621 °F	DSC
Maximum Service Temperature, Air	260 °C	500 °F	DSC
Minimum Service Temperature, Air	-80.0 °C	-112 °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

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China