

## Adamas Adalon® 704 PTFE, Long Carbon Fiber

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-704-PTFE-Long-Carbon-Fiber.php](http://www.lookpolymers.com/polymer_Adamas-Adalon-704-PTFE-Long-Carbon-Fiber.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.89 - 1.91 g/cc	1.89 - 1.91 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	64 - 68	64 - 68	ASTM D2240
Ball Indentation Hardness	105 - 125 MPa	15200 - 18100 psi	ISO 2032-N132
Tensile Strength at Break	>= 18.0 MPa	>= 2610 psi	ASTM D4745-11
Elongation at Break	>= 20 %	>= 20 %	ASTM D4745-11

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.380 W/m-K	2.64 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	10000 ohm-cm	10000 ohm-cm	ASTM D257
Surface Resistance	1000 ohm	1000 ohm	ASTM D257

## Contact Songhan Plastic Technology Co.,Ltd.

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