

Adamas Adalon® 992 Modified PTFE

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-992-Modified-PTFE.php

| Physical Properties | Metric | English | Comments |
|---------------------|------------------|------------------|--|
| Specific Gravity | 2.15 - 2.17 g/cc | 2.15 - 2.17 g/cc | ASTM D792 |
| Deformation | 5.0 - 6.4 % | 5.0 - 6.4 % | Permanent deformation after 24 hrs @ 23°C; ASTM D621 |
| | 9.0 - 10.8 % | 9.0 - 10.8 % | ASTM D621 |

| Mechanical Properties | Metric | English | Comments |
|----------------------------------|-----------------|-----------------|---------------|
| Hardness, Shore D | 52 - 58 | 52 - 58 | ASTM D2240 |
| Ball Indentation Hardness | 60.0 - 64.0 MPa | 8700 - 9280 psi | ISO 2032-N132 |
| Tensile Strength at Break | >= 30.0 MPa | >= 4350 psi | ASTM D4745-11 |
| Elongation at Break | >= 420 % | >= 420 % | ASTM D4745-11 |
| Coefficient of Friction, Dynamic | 0.080 - 0.10 | 0.080 - 0.10 | ASTM D1894 |
| Coefficient of Friction, Static | 0.10 - 0.13 | 0.10 - 0.13 | ASTM D1894 |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|-------------|------------------------------------|------------|
| Thermal Conductivity | 0.220 W/m-K | 1.53 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 | -160 °C | -256 °F | DSC |
| Flammability, UL94 | V-0 | V-0 | |

| Electrical Properties | Metric | English | Comments |
|-----------------------|-------------------|-------------------|-----------|
| Volume Resistivity | 1.00e+18 ohm-cm | 1.00e+18 ohm-cm | ASTM D257 |
| Surface Resistance | 1.00e+17 ohm | 1.00e+17 ohm | ASTM D257 |
| Dielectric Strength | 60.0 - 80.0 kV/mm | 1520 - 2030 kV/in | ASTM D149 |

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