

Adamas Adalon® 436 PTFE, 15% Ekonol®

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-436-PTFE-15-Ekonol.php

| Physical Properties | Metric | English | Comments |
|---------------------|------------------|------------------|-----------|
| Specific Gravity | 1.94 - 1.98 g/cc | 1.94 - 1.98 g/cc | ASTM D792 |
| Deformation | 2.0 - 3.8 % | 2.0 - 3.8 % | ASTM D621 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------------|-----------------|-----------------|---------------|
| Hardness, Shore D | 52 - 56 | 52 - 56 | ASTM D2240 |
| Ball Indentation Hardness | 42.0 - 48.0 MPa | 6090 - 6960 psi | ISO 2032-N132 |
| Tensile Strength at Break | >= 16.0 MPa | >= 2320 psi | ASTM D4745-11 |
| Elongation at Break | >= 210 % | >= 210 % | ASTM D4745-11 |
| Coefficient of Friction, Static | 0.10 - 0.30 | 0.10 - 0.30 | ASTM D1894 |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|-------------|------------------------------------|------------|
| Thermal Conductivity | 0.350 W/m-K | 2.43 BTU-in/hr-ft ² -°F | ASTM C 177 |
| Melting Point | 327 °C | 621 °F | DSC |
| Maximum Service Temperature, Air | 230 °C | 446 °F | DSC |
| Minimum Service Temperature, Air | -50.0 °C | -58.0 °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+16 ohm | 1.00e+16 ohm | ASTM D257 |
| Dielectric Constant | 2.0 @Frequency 60.0 - 2.00e+6 Hz | 2.0 @Frequency 60.0 - 2.00e+6 Hz | ASTM D150 |
| Dielectric Strength | 25.0 - 40.0 kV/mm | 635 - 1020 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