

Adamas Lakinor® U PVDF

Category : Polymer , Thermoplastic , Fluoropolymer , PVDF

Material Notes:

Information provided by Adamas, HPM

Order this product through the following link:

http://www.lookpolymers.com/polymer_Adamas-Lakinor-U-PVDF.php

| Physical Properties | Metric | English | Comments |
|---------------------|------------------|------------------|-----------|
| Specific Gravity | 1.78 - 1.82 g/cc | 1.78 - 1.82 g/cc | ASTM D792 |
| Water Absorption | 0.00 - 0.015 % | 0.00 - 0.015 % | ASTM D570 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|-----------------|-------------------|------------|
| Hardness, Shore D | 75 - 80 | 75 - 80 | ASTM D2240 |
| Ball Indentation Hardness | 90.0 - 120 MPa | 13100 - 17400 psi | ISO 2032 |
| Tensile Strength at Break | 35.0 - 50.0 MPa | 5080 - 7250 psi | ISO 527-1 |
| Elongation at Break | 20 - 40 % | 20 - 40 % | ISO 527-1 |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|-------------|------------------------------------|------------|
| Thermal Conductivity | 0.190 W/m-K | 1.32 BTU-in/hr-ft ² -°F | ASTM C 177 |
| Melting Point | 175 °C | 347 °F | DSC |
| Maximum Service Temperature, Air | 150 °C | 302 °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+15 ohm-cm | 1.00e+15 ohm-cm | ASTM D257 |
| Surface Resistance | 1.00e+16 ohm | 1.00e+16 ohm | ASTM D257 |
| Dielectric Strength | 18.0 kV/mm | 457 kV/in | ASTM D149 |

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