

Zotefoams ZOTEK® F 35 PVDF Foam

Category : Polymer , Thermoplastic , Fluoropolymer , PVDF

Material Notes:

Zotek® F 35 is a closed cell foam made from Arkema Kynar® PVDF manufactured using nitrogen expansion technology to produce foams with exceptional cell size uniformity, low odor / high purity and outstanding physical attributes. Information provided by Zotefoams

Order this product through the following link:

http://www.lookpolymers.com/polymer_Zotefoams-ZOTEK-F-35-PVDF-Foam.php

| Physical Properties | Metric | English | Comments |
|---------------------|-------------|----------------------------|-----------|
| Density | 0.0330 g/cc | 0.00119 lb/in ³ | ISO 845 |
| Water Absorption | 0.060 % | 0.060 % | ISO 2896 |
| | 2.2 % | 2.2 % | ASTM 1056 |
| Cell Length | 0.250 mm | 0.00984 in | |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|-----------------------------------|-----------------------------------|---------------------------|
| Tensile Strength | 0.245 MPa | 35.5 psi | ISO 1798 |
| Elongation at Break | 90 % | 90 % | |
| Compressive Yield Strength | 0.0600 MPa | 8.70 psi | ISO 7214 |
| | @Strain 25.0 % | @Strain 25.0 % | |
| Tear Strength | 0.700 kN/m | 3.99 pli | ISO 8067 |
| Compression Set | 20 % | 20 % | 0.5 hr recovery; ISO 7214 |
| | @Time 79200 sec, Strain 50.0 % | @Time 22.0 hour, Strain 50.0 % | |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|--------------|-------------------------------------|-------------------------------|
| Thermal Conductivity | 0.0330 W/m-K | 0.229 BTU-in/hr-ft ² -°F | mean temp of 0°C; ISO 8301 |
| | 0.0380 W/m-K | 0.264 BTU-in/hr-ft ² -°F | mean temp of 40°C; DIN 52 612 |
| | 0.0460 W/m-K | 0.319 BTU-in/hr-ft ² -°F | mean temp of 80°C; ASTM C 518 |
| Maximum Service Temperature, Air | 110 °C | 230 °F | |
| Flammability, UL94 | V-0 | V-0 | |

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