

## Zotefoams ZOTEK® F 40 HT PVDF Foam

Category : Polymer , Thermoplastic , Fluoropolymer , PVDF

### Material Notes:

Zotek® F 40 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. Compliant with US FDA regulations. Information provided by Zotefoams

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Zotefoams-ZOTEK-F-40-HT-PVDF-Foam.php](http://www.lookpolymers.com/polymer_Zotefoams-ZOTEK-F-40-HT-PVDF-Foam.php)

Physical Properties	Metric	English	Comments
Density	0.0400 g/cc	0.00145 lb/in <sup>3</sup>	ISO 845
Cell Length	0.260 mm	0.0102 in	

Mechanical Properties	Metric	English	Comments
Hardness, Shore OO	72.5	72.5	ISO 868
Tensile Strength	0.761 MPa	110 psi	ISO 1798
Elongation at Break	85 %	85 %	
Compressive Yield Strength	0.125 MPa @Strain 25.0 %	18.1 psi @Strain 25.0 %	ISO 7214
Tear Strength	0.669 kN/m	3.82 pli	ISO 8067
Compression Set	12 % @Time 79200 sec, Strain 50.0 %	12 % @Time 22.0 hour, Strain 50.0 %	0.5 hr recovery; ISO 7214

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.0323 W/m-K	0.224 BTU-in/hr-ft <sup>2</sup> -°F	mean temp of 0°C; ISO 8301
	0.0369 W/m-K	0.256 BTU-in/hr-ft <sup>2</sup> -°F	mean temp of 50°C; ISO 8301
	0.0416 W/m-K	0.289 BTU-in/hr-ft <sup>2</sup> -°F	mean temp of 83°C; ISO 8301
Maximum Service Temperature, Air	155 °C	311 °F	

Descriptive Properties	Value	Comments
Flammability	Heat Release: FAR/CS 25.853	Pass at 1/2 in
	Radiant Heat Panel: FAR 25.856	Pass at 1/8, 1/2, and 1 in

Descriptive Properties	Smoke Density: ABD0031 Value	Pass at 1/2 in Comments
	Smoke Density: FAR/CS 25.853	Pass at 1/2 in
	Toxic Gas Emission: ABD0031	Pass at 1/2 in
	Vertical Burner (60 sec): FAR/CS 25.853	Pass at 1 in

## Contact Songhan Plastic Technology Co.,Ltd.

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