

## Zotefoams ZOTEK® F 74 HT PVDF Foam

Category : Polymer , Thermoplastic , Fluoropolymer , PVDF

### Material Notes:

Zotek® F 74 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-74-HT-PVDF-Foam.php](http://www.lookpolymers.com/polymer_Zotefoams-ZOTEK-F-74-HT-PVDF-Foam.php)

Physical Properties	Metric	English	Comments
Density	0.0740 g/cc	0.00267 lb/in <sup>3</sup>	ISO 845
Cell Length	0.420 mm	0.0165 in	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	26	26	ISO 868
Hardness, Shore O	34	34	ISO 868
Hardness, Shore OO	82	82	ISO 868
Tensile Strength	1.411 MPa	204.6 psi	ISO 1798
Elongation at Break	132 %	132 %	
Compressive Yield Strength	0.218 MPa @Strain 25.0 %	31.6 psi @Strain 25.0 %	ISO 7214
Tear Strength	1.48 kN/m	8.44 pli	ISO 8067
Compression Set	13.2 % @Time 79200 sec, Strain 50.0 %	13.2 % @Time 22.0 hour, Strain 50.0 %	0.5 hr recovery; ISO 7214

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.0343 W/m-K	0.238 BTU-in/hr-ft <sup>2</sup> -°F	mean temp of 0°C; ISO 8301
	0.0390 W/m-K	0.271 BTU-in/hr-ft <sup>2</sup> -°F	mean temp of 50°C; ISO 8301
	0.0441 W/m-K	0.306 BTU-in/hr-ft <sup>2</sup> -°F	mean temp of 83°C; ISO 8301
Maximum Service Temperature, Air	160 °C	320 °F	

Descriptive Properties	Value	Comments
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Flammability Descriptive Properties	Heat Release: FAR/CS 25.853 Value	Pass at 1/2 in Comments
	Radiant Heat Panel: FAR 25.856	Pass at 1/8, 1/2, and 1 in
	Smoke Density: ABD0031	Pass at 1/2 in
	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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