

Zotefoams ZOTEK® F 30 PVDF Foam

Category : Polymer , Thermoplastic , Fluoropolymer , PVDF

Material Notes:

Zotek® F 30 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-30-PVDF-Foam.php

Physical Properties	Metric	English	Comments
Density	0.0300 g/cc	0.00108 lb/in ³	ISO 845
Water Absorption	0.060 %	0.060 %	ISO 2896
	2.2 %	2.2 %	ASTM 1056

Mechanical Properties	Metric	English	Comments
Tensile Strength	0.382 MPa	55.4 psi	ISO 1798
Elongation at Break	191 %	191 %	
Compressive Yield Strength	0.0500 MPa	7.25 psi	ISO 7214
	@Strain 25.0 %	@Strain 25.0 %	
Compression Set	13 %	13 %	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	

Descriptive Properties	Value	Comments
Flammability	Heat Release: FAR/CS 25.853	Pass at 3, 13, and 25 mm
	Radiant Heat Panel: FAR 25.856	Pass at 3 and 25.4 mm
	Smoke Density: ABD0031	Pass at 3 and 13 mm

Descriptive Properties	Smoke Density: FAR/CS 25.853 Value	Pass at 3 and 13 mm Comments
	Toxic Gas Emission: ABD0031	Pass at 3 and 13 mm
	Vertical Bunsen Burner: FAR/CS 25.853	Pass at 3 and 25.4 mm

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