

## Zotefoams ZOTEK® F OSU Semi-Rigid PVDF Foam

Category : Polymer , Thermoplastic , Fluoropolymer , PVDF

### Material Notes:

Zotek® F OSU 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. This grade is ideal for soft trim in combination with leathers, textiles and decorative laminates, including low FST cores for composites and divider panels. Information provided by Zotefoams

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	0.0340 g/cc	0.00123 lb/in <sup>3</sup>	ISO 845

Mechanical Properties	Metric	English	Comments
Tensile Strength	0.417 MPa	60.5 psi	ISO 1798
Elongation at Break	74 %	74 %	
Compressive Yield Strength	0.0740 MPa @Strain 25.0 %	10.7 psi @Strain 25.0 %	ISO 7214
Tear Strength	0.823 kN/m	4.70 pli	ISO 8067
Compression Set	50 % @Time 79200 sec, Strain 50.0 %	50 % @Time 22.0 hour, Strain 50.0 %	0.5 hr recovery; ISO 7214

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.0321 W/m-K	0.223 BTU-in/hr-ft <sup>2</sup> -°F	mean temp of 0°C; ISO 8301
	0.0370 W/m-K	0.257 BTU-in/hr-ft <sup>2</sup> -°F	mean temp of 50°C; ISO 8301
	0.0407 W/m-K	0.282 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, 2 min total	30.2 kW/m <sup>2</sup>
	Heat Release: FAR/CS 25.853, Peak	35 kW/m <sup>2</sup> at 1 in
	Toxic Gas Emission: ABD0031	Pass at 25 mm

## **Contact Songhan Plastic Technology Co.,Ltd.**

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