



## PVDF-FOAM ZOTEK® F

## OSU Flexible

Applications	Interior soft trim in combination with leathers, textiles and decorative laminates
Material	closed cell Polyvinylidenfluorid (KYNAR®)-Foam. Unique properties make it ideal for a wide range of applications.
Colour	white
Typical properties	Flexible, formable, flame propagation resistant, low heat release (OSU), UV-resistant, low water absorption
Density	approx. 33 kg/m <sup>3</sup>
Thickness	25 mm
Dimensions	2000 mm x 1000 mm
Flammability	meets the requirements of ABD 0031, CS/FAR 25.856(a) CS/FAR 25, App F, Part I (a)(1)(ii) CS/FAR 25. App. F Pt IV CS/FAR 25. App. F Pt V
Temperature range	- 55 °C to + 110 °C
Characteristics	<ul style="list-style-type: none"> <li>- good mechanical performance</li> <li>- fine uniform and closed-cell structure</li> <li>- very low water absorption</li> <li>- low water vapour transmission rate</li> <li>- odourless</li> <li>- non-toxic</li> <li>- non-staining</li> </ul>
Processing	PVDF-Foam can be ... <ul style="list-style-type: none"> <li>- cut</li> <li>- skived</li> <li>- welded</li> <li>- bonded</li> </ul> <ul style="list-style-type: none"> <li>- punched</li> <li>- thermo laminated</li> <li>- thermo formed</li> <li>- press formed</li> </ul> <p style="text-align: right;">... without problems!</p>



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Properties	Standard	Unit	F OSU Flexible <sup>1)</sup>
Density	ISO 845	kg/m <sup>3</sup>	33
Compression stress-strain characterist. compression	ISO 7214 1st compression	kPa	max. 60      25%
Tensile strength	ISO 1798	kPa	min. 245
Elongation at break	ISO 1798	%	min. 88
Compressions set h @ 50 % compression, 23 °C	ISO 7214/ASTM D35751, 25mm c/c	% set	max. 17      22
Water absorption	ASTM 1056	%	2.2
Storage time		-	unlimited
Thermal conductivity at 40 °C	ISO 8301	$\frac{W}{m \cdot K}$	0.038
Heat release	CS/FAR 25.853(d) App F Pt IV	2 min. total HR (kWmin/m <sup>2</sup> ): 39.9 at 25 mm CS/FAR 25 App F Pt IV	Peak HR (kW/m <sup>2</sup> ): 49.1 at 25mm
Smoke density	CS/FAR 25.853(d) CS/FAR 25 App F Pt V	pass at 13 mm	
Smoke density	ABD0031 para.2.3.2	pass at 13 mm	
Toxic gas emission	ABD0031 para.2.3.2	pass at 13 mm	
Vertical bunsen burner	CS/FAR 25.853(a) CS/FAR 25 App F Pt I(a)(1)(ii)	pass at 25 mm	
Radiant heat panel	CS/FAR 25.856(a) CS/FAR 25 App F Pt VI	pass at 3 mm and 25 mm	

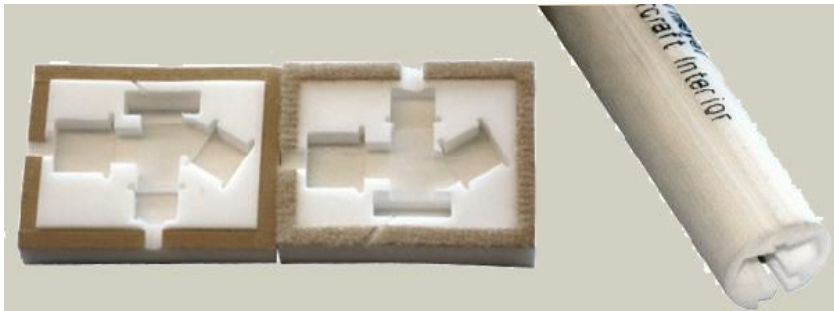
1) Typical Value



## PVDF-FOAM ZOTEK® F

## OSU Flexible / 63

self adhesive



Properties	Standard	Unit	F OSU Flexible <sup>1)</sup>
Density <sup>2)</sup>	ISO 845	kg/m <sup>3</sup>	33 (foam without adhesive)
Compression stress-strain characterist 25% compression <sup>2)</sup>	ISO 7214 1st compression	kPa	max. 60
Tensile strength <sup>2)</sup>	ISO 1798	kPa	min. 245
Elongation at break <sup>2)</sup>	ISO 1798	%	min. 88
Compressions set <sup>2)</sup> 22 h @ 50 % compression, 23 °C ½ hr recovery	ISO 7214/ASTM D35751, 25mm c/c	% set	max. 17
Water absorption <sup>2)</sup>	ASTM 1056	%	2.2
Storage life at 10-25°C, 10-70% RH			12 months
Temperature range	- 55 °C to + max. 85 °C		
Thermal conductivity at 40 °C <sup>2)</sup>	ISO 8301	$\frac{W}{m \cdot K}$	0.038
Flammability:	Test: AITM 2.0002B, one side bonded on 0,5 mm Aluminium sheet Requirement: CS/FAR-25, App.F, Part I, (a)(1)(ii)		
1) Typical Value			
2) without adhesive			