



## PVDF-FOAM ZOTEK® F

## OSU semi-rigid

Colour: white or grey

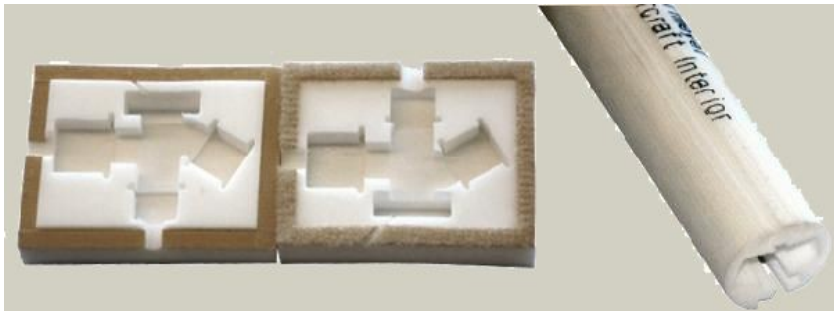
Applications	Interior soft trim in combination with leathers, textiles and decorative laminates including low FST cores for composites and divider panels
Material	closed cell Polyvinylidenfluorid (KYNAR®)-Foam. Unique properties make it ideal for a wide range of applications.
Colour	white
Typical properties	Semi-rigid, formable, flame propagation resistant, low heat release (OSU), high operation temperature, UV-resistant, low water absorption
Density	approx. 34 kg/m³
Thickness	available from 2 mm up to 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 + 155 °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 style="width: 50%;">- cut</li> <li style="width: 50%;">- punched</li> <li style="width: 50%;">- skived</li> <li style="width: 50%;">- thermo laminated</li> <li style="width: 50%;">- welded</li> <li style="width: 50%;">- thermo formed</li> </ul>



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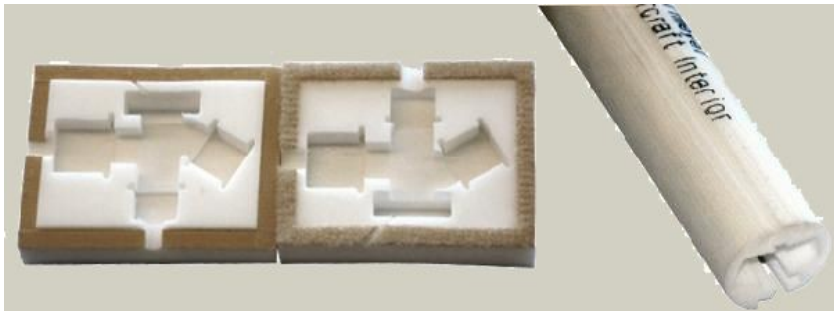
Properties	Standard	Unit	F OSU semi-rigid <sup>1)</sup>
Density	ISO 845	kg/m <sup>3</sup>	max. 34
Compression stress strain characteristics, 25% compression	ISO 7214	kPa	min. 74
Tensile strength	ISO 1798	kpa	min. 417
Elongation at break	ISO 1798	%	min. 74
Storage time		-	unlimited
Thermal conductivity at 50 °C	ISO 8301	$\frac{W}{m \cdot k}$	max 0.037
Heat release	CS/FAR 25.853(d) CS/FAR 25 App F Pt IV	2 min. total HR (kW/min/m <sup>2</sup> ): 30.2 Peak HR (kW/m <sup>2</sup> ): 35 at 25 mm	
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 25 mm	

1) Typical Value



**PVDF-FOAM ZOTEK® F**  
self-adhesive

**OSU semi-rigid**  
Colour: white or grey



Properties	Standard	Unit	F OSU semi-rigid <sup>1)</sup>
Density <sup>2)</sup>	ISO 845	kg/m <sup>3</sup>	max. 34
Compression stress strain <sup>2)</sup> characteristics, 25% compression	ISO 7214	kPa	min. 74
Tensile strength <sup>2)</sup>	ISO 1798	kpa	min. 417
Elongation at break <sup>2)</sup>	ISO 1798	%	min. 74
Storage time at -10°C to 25°C/ 10% RH to 70% RH			months 12
Thermal conductivity at 50 °C <sup>2)</sup>	ISO 8301	$\frac{W}{m \cdot k}$	max 0.037
Flammability	AITM 2.0002B	Meets the requirements of CS/FAR 25, App.F, Part I (a)(1)(ii) bonded on 0,025 mm Alu-foil	
1) Typical Value 2) without adhesive			