



## PVDF-FOAM Zotek® F

## OSU semi-rigid

Colour: white or grey

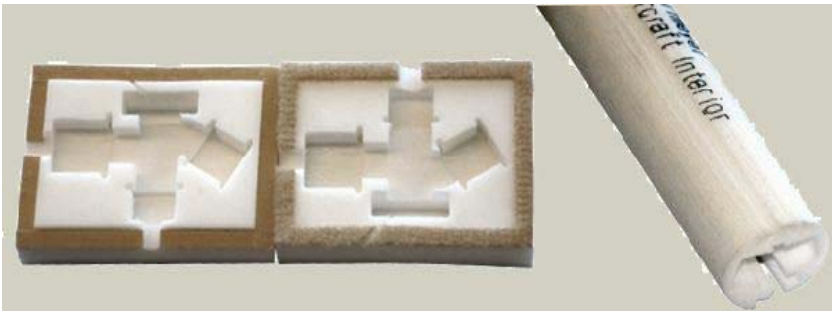
|                    |  |
|--------------------|--|
| Applications       | Interior soft trim in combination with leathers, textiles and decorative laminates including low FST cores for composites and divider panels   |
| Material           | closed cell Polyvinylidenfluorid (KYNAR®)-Foam. Unique properties 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            | max. 38 kg/m <sup>3</sup>  |
| Thickness          | 25.4 mm  |
| Dimensions         | 2000 mm x 1000 mm  |
| Flammability       | meets the requirements of ABD 0031<br>FAR 25.856(a)<br>FAR 25.853 (a)(1)(ii) Amdt.72<br>FAR 25.853 (d) App. F Pt IV<br>FAR 25.853 (d) 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 |
|---|------------------------------|---|------------------|
| Density   | ISO 845                      | kg/m <sup>3</sup>   | max. 38          |
| Compression stress value (CV <sub>40</sub> )            | ISO 7214                     | kPa   | min. 74          |
| Tensile strength  | ISO 1798                     | kpa   | min. 417         |
| Elongation at break                                     | ISO 1798                     | %   | min. 74          |
| Compression set<br>Compressed by 50 % at 23 °C for 72 h | ISO 1856B                    | %   | max. 50          |
| Storage time  |                              | -   | unlimited        |
| Thermal conductivity at 50 °C                           | ISO 8302                     | $\frac{W}{m \cdot k}$   | max 0.037        |
| Heat release  | FAR 25.853(d)<br>App F Pt IV | 2 min. total HR (kWmin/m <sup>2</sup> ): 30.2<br>Peak HR (kW/m <sup>2</sup> ): 35 @ 25 mm |                  |
| Smoke density   | FAR 25.853(d)<br>App F Pt V  | pass @ 13 mm  |                  |
| Smoke density   | ABD0031 para.7.3.2           | pass @ 13 mm  |                  |
| Toxic gas emission                                      | ABD0031 para.7.4             | pass @ 25 mm  |                  |