



PVDF-FOAM

Zotek F30

BMS 8-371

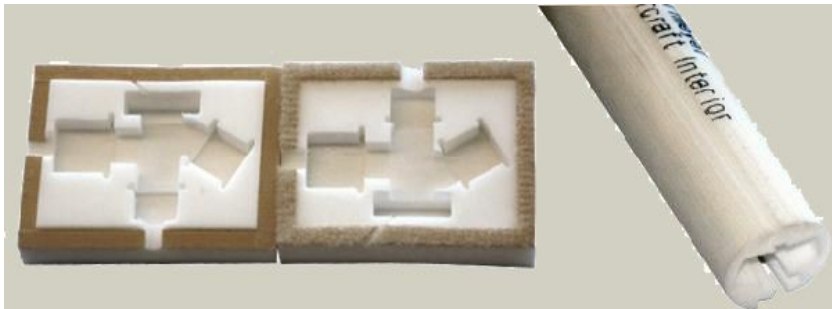
Applications	thermal insulation for doors, cargo sections, tube & valve systems
Material	closed cell Polyvinylidenfluorid-Foam. These unique properties make it ideal for a wide range of applications.
Colour	white
Typical properties	flexible, formable, flame propagation resistant
Density	30 kg/m ³
Thickness	available from 2 mm up to 220 mm
Dimensions	2000 mm x 1000 mm
Flammability	meets the requirements of BMS 8-371, ABD 0031, FAR 25.856(a) FAR 25.853 (a)(1)(ii) Amdt.72
Temperature range	- 55 °C to + 110 °C
Characteristics	<ul style="list-style-type: none"> - good mechanical performance - fine uniform and closed-cell structure - very low water absorption - low water vapour transmission rate - odourless - non-toxic - non-staining
Processing	PVDF-Foam can be ... <ul style="list-style-type: none"> - cut - skived - welded - bonded <ul style="list-style-type: none"> - punched - thermo laminated - thermo formed - press formed <p style="text-align: right;">... without problems!</p>



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Properties	Standard	Unit	F30
Density	ISO 845	kg/m ³	30
Compression stress value(CV ₄₀)	ISO 7214	kPa	79
Tensile strength	ISO 1798	kpa	400
Elongation at break	ISO 1798	%	151
Compressions set Compressed by 50 % at 23 °C for 72 h	ISO 1856B	%	max. 11.5
Water absorption 168 h	ISO 1663	µm ⁻² s ⁻¹	172
Storage time		-	unlimited
Thermal conductivity at 40 °C	ISO 8302	$\frac{W}{m \cdot K}$	max 0.038
Flammability	FAR 25.853(d)/(c) App F Pt IV (g)	pass at 3 mm and 13 mm	
Smoke density	FAR 25.853(d)/(c) App F Pt IV (b)	pass at 3 mm and 13 mm	
Smoke density	ABD0031 para.7.4	pass at 3 mm and 13 mm	
Toxic gas emission	ABD0031 para.7.4	pass at 3 mm and 13 mm	
Vertical bunsen burner	FAR 25.853(a)(1)(ii)	pass at 5 mm and 30 mm	
Radiant heat panel	FAR 25.856(a)	pass at 5 mm and 30 mm	