

PVDF-FOAM

ZOTEK® F30

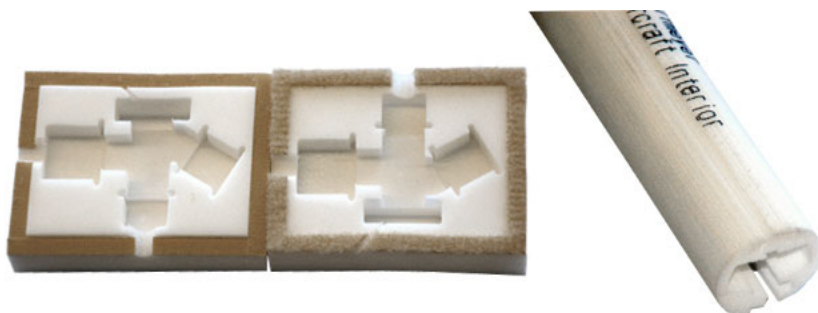
BMS 8-371

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 25 mm
Dimensions	2000 mm x 1000 mm
Flammability	meets the requirements of BMS 8-371, ABD 0031, CS/FAR 25.856(a) CS/FAR 25.App.F, Part I (a)(1)(ii)
Temperature range	- 55 °C to + 110 °C
Characteristics	- 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 ... - cut - punched - skived- thermo laminated - welded - thermo formed - bonded - press formed ...
without problems!	

PVDF-FOAM

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Properties	Standard	Unit	F30 ¹⁾
Density	ISO 845	kg/m³	30
Compression stress strain characteristics, 25% compression	ISO 7214	kPa	79
Tensile strength	ISO 1798	kpa	382
Elongation at break	ISO 1798	%	191
Water absorption 168 h	ISO 2896	%	0,06
Storage time		-	unlimited
Thermal conductivity at 40 °C	ISO 8301	$\frac{W}{m \cdot K}$	max 0.038
Flammability	CS/FAR 25.853(d) CS/FAR 25 App F Pt IV	pass at 3 mm and 13 mm	
Smoke density	CS/FAR 25.853(d) CS/FAR 25, App F Pt V	pass at 3 mm and 13 mm	
Smoke density	ABD0031 para.2.3.2	pass at 3 mm and 13 mm	
Toxic gas emission	ABD0031 para.2.3.2	pass at 3 mm and 13 mm	
Vertical bunsen burner	CS/FAR 25, App F, Part I (a)(1)(ii)	pass at 3 mm and 25 mm	
Radiant heat panel	CS/FAR 25, App F Part VI	pass at 3 mm and 25 mm	

1) Typical Value

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with adhesive 63

Properties	Standard	Unit	F30 *
Density ¹⁾	ISO 845	kg/m ³	30
Compression stress strain characteristics, 25% compression ¹⁾	ISO 7214	kPa	50
Tensile strength ¹⁾	ISO 1798	kpa	382
Elongation at break ¹⁾	ISO 1798	%	191
Water absorption 168 h ¹⁾	ISO 2896	%	0,06
Peel strength after 72 h	ISO 8510-2	N/25 mm	15
Storage time at -10°C to 25°C/ 10% RH to 70% RH		months	12
Thermal conductivity at 40 °C ¹⁾	ISO 8301	$\frac{W}{m \cdot K}$	max 0.038
Flammability	CS/FAR 25, App. F Part I Para. (a)(1)(ii)	passed at 3 mm and 13 mm bonded on 0,025 mm Alu-foil	

* typical Value

1) without adhesive