



PE-FOAM

MP15FR,
IPS 04-14-005-04
MP15FR/63
IPS 04-14-005-01

Versions	non adhesive, AIMS 04-14-005A (MP15FR) (Thickness max. 30mm) self adhesive, AIMS 04-14-005C (MP15FR/63) (Thickness max. 30mm)
Applications	thermal insulation for doors, cargo section, tube & valve systems
Material	closed cell, cross linked Polyethylene-Foam
Colour	grey
Typical properties	flexible, hot formable, low density PE MP15FR resistant to phosphoric acid ester e.g. Skydrol 500B, MP15FR/63 with pressure sensitive adhesive (psa)
Density	max .18 kg/m ³ (without adhesive)
Thickness	sheets available acc. to ABS 5088, or from 2 mm up to 250 mm
Dimensions	2000 mm x 1000 mm
Flame Propagation	meets the requirements of ABD 0031, CS/FAR 25.856(a), & CS/FAR-25, App.F, Part VI; Test Standard AIM 2.0053
Temperature range	-55 °C to +85 °C
Characteristics	<ul style="list-style-type: none"> - good mechanical performance at low weight - very low water absorption - low water vapour transmission rate - excellent resistance to chemical weathering - odourless - non-toxic - non-staining
Processing	PE-Foam can be ... <ul style="list-style-type: none"> - cut - skived - welded - bonded - punched - thermo laminated - thermo formed - press formed <p style="text-align: right;">... without problems !</p>



PE-FOAM PE-FOAM, self adhesive

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MP15FR acc. to AIMS 04-14-005A

Properties	Standard	Unit	MP15FR
Density	ISO 845	kg/m ³	max. 18
Cell size	ISO 2896	mm	≤ 1.2
Compression stress value (CV40)	ISO 3386-1	kPa	>40
Tensile strength	ISO 1798	kPa	>250
Elongation at break		%	>80
Compression set Compressed by 50 % at 23 °C for 72 h	ISO 1856B	%	max. 45
Water absorption 168 h	ISO 2896	%	max. 4
Storage time			unlimited
Thermal conductivity at 25 °C	ISO 8302	$\frac{W}{m \cdot k}$	max. 0.050
Flame Propagation	AITM 2.0053	Requirement: CS/FAR 25.856(a), & CS/FAR-25, App.F, Part VI, § (h)	
Smoke density	AITM 2.0007	DS4 min	max.100
Smoke gas components	AITM 3.0005	ppm HF max. 100, HCl max.150, HCN max. 150, SO ₂ /HS max. 100, NO/NO ₂ max. 100, CO max. 1000	

MP15FR/63 acc. to AIMS 04-14-005C

Properties	Standard	Unit	MP15FR
Density *	ISO 845	kg/m ³	max.18 (without adhesive)
Cell size *	ISO 2896	mm	≤ 1.2
Compression stress value(CV40) *	ISO 3386-1	kPa	>40
Tensile strength *	ISO 1798	kPa	>250
Elongation at break *		%	>80
Peel strength after 72h	AIMS 04-14-000	N/25 mm	No adhesion failure
Compressions set * Compressed by 50 % at 23 °C for 72 h	ISO 1856B	%	max. 45
Water absorption 168 h *	ISO 2896	%	max. 4
Storage time @ 10-25°C, 10-70% RH		months	12
Thermal conductivity at 25 °C *	ISO 8302	$\frac{W}{m \cdot k}$	max 0.050
Flame Propagation	AITM 2.0053	Requirement: CS/FAR 25.856(a), & CS/FAR-25, App.F, Part VI, § (h)	
Smoke density	AITM 2.0007	DS4 min	150 max.
Smoke gas components	AITM 3.0005	ppm HF max100, HCl max.150, HCN max. 150, SO ₂ /H ₂ S max. 100, NO/NO ₂ max. 100, CO max. 1000	

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