

NMHPI High Performance Insulation (NMHPI-BA)

NMHPI-BA is a lightweight para-aramid/polyethylene laminate, available as gaskets or sheets in thicknesses from 6 to 25mm. The material is highly durable and exhibits a low flammability. It is a lightweight, water-resistant product which is easily washable and has self-adhesive backing. It is highly resistant to abrasion and piercing. Colour matching is possible.

Applications	<ul style="list-style-type: none">GasketsThermal Insulation
Product Features	<ul style="list-style-type: none">Abrasion ResistantDurableEasily WashableFire retardantGood thermal insulationLow weightPotential for pressure sensitive adhesivePuncture ResistantWater resistant
Quality standards	<ul style="list-style-type: none">ABD0031 Gas Toxicity (AITM 3.0005)ABD0031 Smoke Density (AITM 2.0007)FAR 25.853 (a)(1)(ii) test bonded to 0.8mm Aluminium
Markets	<ul style="list-style-type: none">AerospaceIndustrialMilitary

Typical properties

Product Property	Value	Test Method	Footnotes
Self adhesive	Yes		
Areal Weight (g/m2)	1000		Test performed on 10mm thick sample
Temperature Range (°C)	-70 to +80 (to +100 short term)		
Thermal conductivity (W/m.K)	0.035		
Tear abrasion (cloth side)	5000 cycles (minimum) to failure		
Base Foam	Polyethylene		
Base fabric	100% woven Para-Aramid		
Face coat	High Solid Polymer		
Standard colours	Black, White, Gold		

Product Property	Value	Test Method	Footnotes
Flammability	Pass	FAR 25.853 (a)(1)(ii)	Test bonded to 0.8mm Aluminium
Smoke & Toxicity	Pass	ADB 0031	

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