

NMHPI High Performance Insulation (NMHPI-B)

NMHPI-B 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. It is highly resistant to abrasion and piercing. Colour matching is possible. For self-adhesive backing, see [NMHPI-BA](#).

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|-------------------|---|
| Applications | <ul style="list-style-type: none">GasketsThermal Insulation |
| Product Features | <ul style="list-style-type: none">Abrasion ResistantDurableEasily WashableFire retardantGood thermal insulationLow weightPuncture 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) |
| Markets | <ul style="list-style-type: none">AerospaceIndustrialMilitary |

Typical properties

| Product Property | Value | Test Method | Footnotes |
|------------------------------|----------------------------------|-------------|-------------------------------------|
| Self adhesive | No | | |
| Areal Weight (g/m2) | 900 | | 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) | |
| Smoke & Toxicity | Pass | ADB 0031 | |

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