

NMSS50FR

High and low temperature resistant, fire retardant solid silicone. NMSS50FR is 50 shore hard. The material meets the smoke density and gas toxicity requirements of ABD0031 and flammability requirements of FAR 25.853 (a)(1)(ii) and can be moulded in sheets, which can then be cut into gaskets. It can also be extruded to drawings. Our standard colour is white. Some other colour matches are also possible.

Applications	<ul style="list-style-type: none">GasketsSeals
Product Features	<ul style="list-style-type: none">3D fabricationFire retardantPotential for pressure sensitive adhesiveWide temperature range
Quality standards	<ul style="list-style-type: none">ABD0031 Gas Toxicity (AITM 3.0005)ABD0031 Smoke Density (AITM 2.0007)ABS 5751BAIMS 04-07-003FAR 25.853 (a)(1)(ii)
Markets	<ul style="list-style-type: none">AerospaceIndustrial

Typical properties

Product Property	Value	Test Method
Durometer (Shore A)	50	ISO 7619-1
Tensile strength (kPa)	8000	ISO 37 Type 2
Elongation at break	300%	ISO 37 Type 2
Compression set (%) 70 hrs @ 150°C	Max.50%	ISO 815 Type B
FAR 25.853 (a)(1)(ii) on 2 mm thick moulded sheet	Pass	FAR 25.853 (a)(1)(ii)
Tear Strength	13 N/mm	ISO 34-1 Type C
Temperature Range (°C)	-55 to +180	

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