

NMSS50FR & NMSS70FR are high and low temperature resistant, fire retardant solid silicones. NMSS50FR is 50 shore hard while NMSS70FR is 70 shore hard. The material meets ABD0031 and 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. Other colour matches are possible.

Property	Typical Value		Test Method
	NMSS50FR	NMSS70FR	
Temperature Range (Silicone only)	-55°C to +180°C		
Durometer (Shore A)	50	70	ISO 7619-1
Tensile strength (kPa)	8000	6000	ISO 37 Type 2
Elongation at break (%)	300	150	ISO 37 Type 2
Compression set (%) 70 hrs @ 150°C	50 max.		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 (N/mm)	13	10	ISO 34-1 Type C

<b>Applications:</b> <ul style="list-style-type: none"> <li>Gaskets</li> <li>Seals</li> </ul> <b>Markets:</b> <ul style="list-style-type: none"> <li>Aerospace</li> <li>Industrial</li> </ul>	<b>Product Features:</b> <ul style="list-style-type: none"> <li>3D fabrication</li> <li>Fire retardant</li> <li>Potential for pressure sensitive adhesive</li> <li>Wide temperature range</li> </ul>	<b>Meets:</b> <ul style="list-style-type: none"> <li>AITM2.0002B/ABD0031 Flammability</li> <li>AITM2.0007/ABD0031 Smoke Density</li> <li>AITM3.0005/ABD0031 Gas Toxicity</li> <li>FAR 25.853 (a)(1)(ii)</li> <li>ABS 5751B (NMSS50FR)</li> <li>AIMS 04-07-003 (NMSS50FR)</li> <li>ABS 5751C (NMSS70FR)</li> <li>AIMS 04-07-006 (NMSS70FR)</li> </ul>
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### Adhesive Options

NewMet solid silicone extrusions and moulded sheets can be supplied with adhesive backing. Options include KE, SV and MX adhesive grades.