

**GRADES: FSE50 FSE60 FSE70**  
**Fluorosilicone Rubber**  
**50°-70° Shore Hardness**

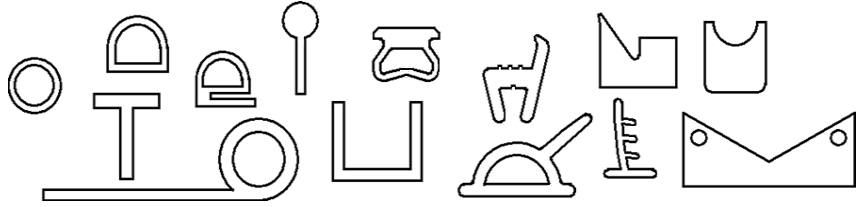
The FSE50-70 Fluorosilicone from Advanced Materials benefits from:

- Good damping properties
- Good mechanical properties
- Good electrical resistance
- Good flexibility over a wide range of temperature
- Good resistance to high and low temperature
- Good resistance to solvent and fuels
- Excellent resistance to UV ageing

These grades can be supplied for extruded profiles, including D sections, P sections, Cord, and Tubing, and can be supplied pale colours, often supplied white or blue.

**Temperature range -60°C to 200°C.**

Grades	Test Method	Unit	FSE50	FSE60	FSE70
Specific Gravity	DIN 53479	g/cm <sup>3</sup> ± 0.04	1.575	1.55	1.53
Hardness	DIN 53 505	Shore A ± 7	50	60	70
Tensile Strength	DIN53504-S2	MPa	6.5	6.5	6.5
Tear Resistance	ASTM D 624 B	N/mm	16	18	18



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**50° Shore Hardness**

Some additional information for FSE50

Changes of physical properties		Test Method		Temp/Time	Required	FSE50 Result
Hardness-change	As	DIN 53521	Ester VDE 0375	130 °C/72h	-5/0	-3.0 Sh A
Hardness-change	As	DIN 53521	Mineral tr. oil	130 °C/72h	-5/0	-2.0 Sh A
Volume-change	Rs	DIN 53521	Ester VDE 0375	130 °C/72h	0/+5	+4.8%
Volume-change	Rs	DIN 53521	Mineral tr. oil	130 °C/72h	0/+5	+4.0%
Weight-change	Rs	DIN 53521	Ester VDE 0375	130 °C/72h	0/+5	+3.2%
Weight-change	Rs	DIN 53521	Mineral tr. oil	130 °C/72h	0/+5	+2.3%

**Notes:**

Ester VDE 0375 oil - Midel 7131. Service temperature range: from -50°C to +180°C, with peaks up to +200°C.

As = Absolute change

Rs = Relative change

Figures given above are for guidance only and should not be used in preparing specifications.

E & O.E.

Advanced Materials Limited

Unit 17, Arndale Road, Lineside Ind Est, Littlehampton, West Sussex BN17 7HD

Telephone 01903 713566

E-mail: [sales@amsilicones.co.uk](mailto:sales@amsilicones.co.uk)

Web Page: [www.SiliconeRubberExtrusions.co.uk](http://www.SiliconeRubberExtrusions.co.uk)

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