

FSE 7570-D1  
Fluorosilicone Rubber

**Product Description** **FSE 7570-D1** is a fluorosilicone rubber, designed for calendering, moulding and extrusion for a variety of solvent resistant applications. These products may be used with different peroxides and fillers to develop wide-ranging property profiles. This general purpose material is successfully used in a variety of automotive and aerospace applications, where a combination of excellent fluid-resistance with good overall mechanical properties, low-temperature performance and low compression set is required.

**Key Performance Properties**

- Excellent handling
- Blendable
- Easy pigmentable
- Broad fluid resistance
- Low compression set
- Low temperature flexibility
- Suitable for high temperature applications
- Constant physical properties over wide temperature range

**Typical Product Data**

<b>Typical Properties of the Uncured Base Compound:</b>			
Appearance			white
Density	DIN 53 479 A	g/cm <sup>3</sup>	1,41
<b>Typical Properties of the Vulcanized Rubber:</b>			
100 phr FSE 7570-D1 with 0,5 phr Lupersol 101® (100%) Vulcanization conditions: 15 min. @ 177°C post cured: 4h @ 204°C in hot air			
Hardness	DIN 53 505*	Shore A	70
Tensile strength	DIN 53 504 S2*	N/mm <sup>2</sup>	9.3
Elongation at break	DIN 53 504 S2*	%	290
Tear strength	ASTM D 624 die B	N/mm	33
Compression set (22 h @ 177°C)	DIN 53 517*	%	20

\* The quoted test methods are corresponding to ASTM standards.

**Specifications**

Typical Product Data should not be used as specifications. For assistance and specifications please contact Momentive performance materials.

**Packaging**

**FSE 7570-D1** is available in 22,7 kg and 454 kg boxes.



**Instructions for Use** Various organic peroxides will vulcanize **FSE 7570-D1** fluorosilicone compounds. Fabricators should make their selection of curing agents on the basis of method of fabrication, desired properties, and safety considerations. They are mixed into the rubber, if necessary together with **Silopren<sup>®</sup> HV Additives**. The optimum cure cycle will depend on the method of processing used and the physical dimensions of the vulcanized product. Specific applications will require the use of air oven post cure.

**Handling and Safety** Material Safety Data Sheets are available upon request from Momentive performance materials. Similar information for other chemicals used with Momentive performance materials products may be obtained from the respective suppliers.

**Storage Period** The warranty period of **FSE 7570-D1** is 8 months if stored in the original unopened boxes and stored at dry conditions at room temperature (max. 43°C). The storage warranty period begins on the date of shipment

**Availability** **FSE 7570-D1** products may be ordered from your regular sales contact or please call Momentive performance materials, Bergen-op-Zoom / The Netherlands at 00800-4321-1000 to find out which is the nearest sales office to you.



PRINCIPAL LOCATIONS – Regional Information

North America	World Headquarters 187 Danbury Road Wilton, CT 06897, USA	T 800.295.2392	F 607.754.7517
Latin America	Rodovia Eng. Constâncio Cintra, Km 78,5 Itatiba, SP – 13255-700, Brazil	T +55.11.4534.9650	F +55.11.4534.9660
Europe, Middle East, Africa and India	D-51368 Leverkusen Germany	T 00.800.4321.1000 T +31.164.293.276	F +31.164.241.750
Pacific	Akasaka Park Building - 5-2-20 Akasaka Minato-ku, Tokyo 107-6112 Japan	T +81.3.5544.3100	F +81.3.5544.3101

CUSTOMER SERVICE CENTERS

North America	Charleston, WV 25314, USA E <a href="mailto:cs-na.silicones@momentive.com">cs-na.silicones@momentive.com</a>		
	<ul style="list-style-type: none"> <li>• Specialty Fluids</li> <li>• UA, Silanes, Resins, and Specialties</li> <li>• RTV Products-Elastomers</li> <li>• Sealants and Adhesives &amp; Construction</li> </ul>	T 800.523.5862 T 800.334.4674 T 800.332.3390 T 877.943.7325	F 304.746.1654 F 304.746.1623 F 304.746.1623 F 304.746.1654
Latin America	E <a href="mailto:cs-la.silicones@momentive.com">cs-la.silicones@momentive.com</a>		
	<ul style="list-style-type: none"> <li>• Argentina &amp; Chile</li> <li>• Brazil</li> <li>• Mexico &amp; Central America</li> <li>• Venezuela, Ecuador, Peru, Colombia, &amp; Caribbean</li> </ul>	T +54.11.4862.9544 T +55.11.4534.9650 T +52.55.5899.5135 T +58.212.285.2149	F +54.11.4862.9544 F +55.11.4534.9660 F +52.55.5899.5138 F +58.212.285.2149
Europe, Middle East, Africa and India	E <a href="mailto:cs-eur.silicones@momentive.com">cs-eur.silicones@momentive.com</a>	T 00.800.4321.1000 T +31.164.293.276	F +31.164.241750
Pacific	E <a href="mailto:cs-ap.silicones@momentive.com">cs-ap.silicones@momentive.com</a>		
	<ul style="list-style-type: none"> <li>• Japan</li> <li>• China</li> <li>• Korea</li> <li>• Singapore</li> </ul>	T +81.276.20.6182 T +86.21.5050.4666 (ext. 1523) T +82.2.6201.4600 T +65.6220.7022	
Worldwide Hotline	Worldwide Web <a href="http://www.momentive.com">www.momentive.com</a>	T 800.295.2392 T +607.786.8131	F +607.786.8309

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