

# FVMQ 70.16-01

**General compound description**

Material name, short description	FVMQ
Material name, based on technical standards	Fluorsilicone
Compound Code	FVMQ 70.16-01
Old, but still valid compound code	FVMQ 70.16-03
Material description / intended use	Fluorosilicone elastomer with excellent low temperature properties and broad chemical resistance.
Color	blue
Remarks	According to Automotive R110(5D-5F-5G)R67(15 par11-13-14) / Military MIL-DTL-25988C Class I type II grade 70 11-08-06

**Mechanical properties**

Density	1.55 g/cm <sup>3</sup> ± 0.02 ISO 2781-A
Hardness	70 Shore A ± 5 ASTM D 2240
Tensile strength	6.55 MPa ASTM D 412-C
Elongation at break	150 % ASTM D 412-C
Compression set	30.0 % ASTM D 395-B 70 h, 150 °C in AMS 3021
	15 % ASTM D 395-B2 70 h, 23°C, 25%
	25 % ASTM D 395-B 22 h, 175°C

**Thermal properties**

Min. operating temperature stat.	-60 °C
Max. operating temperature long term	200 °C
TR 10 value	-56.6 °C ASTM D 1329