

COMPOUND NUMBER

61410A

Description

Fluorosilicone (FVMQ) 70 Shore A
Blue
-60°C to 180°C

Improved chemical resistance over standard Silicone compounds.

ORIGINAL PHYSICAL PROPERTIES

		Units	Test Method
Tensile Strength	5 to 7	MPa	ASTM D412
Elongation	125 to 250	%	ASTM D412
Hardness	70 ± 5	Shore A	ASTM D2240

SEALING PROPERTIES

	25% Squeeze	Units	Time	Temperature	Test Method
			Hours	°C	
Compression Set	10 to 30	%	22	175	ASTM D395-B

THERMAL PROPERTIES

	Δ Hardness	Δ Tensile	Δ Elongation	Δ Weight	Time	Temperature	Test Method
	Pts.	%	%	%	Hours	°C	
Heat Aging	-5 to +10	-25 Max	-25 Max	-2 Max	70	200	ASTM D573

FLUID IMMERSION PROPERTIES

	Δ Hardness	Δ Tensile	Δ Elongation	Δ Volume	Time	Temperature	Test Method
	Pts.	%	%	%	Hours	°C	
AMS 3021	±15	-40 Max	-25 Max	0 to +15	70	150	ASTM D471
ASTM Fuel C	-15 to 0	-60 Max	-50 Max	0 to +25	70	23	ASTM D471
IRM 903 Oil	-10 to 0	-35 Max	-30 Max	+10 Max	70	150	ASTM D471
TT-S-735 Type III Fuel	-20 Max	-45 Max	-35 Max	0 to +25	22	23	ASTM D471