

Fluorosilicone 70D

Material Identification: 71619-1

Date: 09/14/12

Description: Mil-R-25988B Class I Grade 70 Type II Blue Fluorosilicone Compound. Results on slabs cured 10 minutes at 170°C, post cure 4 hours at 200°C.

Test Items	Spec	Results
Durometer ASTM D-2240	70 +/- 5	71
Tensile Strength ASTM D-412	950 psi min	1219
Ultimate Elongation ASTM D-412	150% min	240
Specific Gravity ASTM D 297	1.50 +/- .03	1.49
Tear Strength Die B ASTM D-624	75 ppi min	98
Compression Set ASTM D-395, 70 hrs @ 23.9°C	15% max	8
Compression Set ASTM D-395, 22 hrs @ 175°C	25% max	12
Heat Aging 72 hrs @ 200°C		
Hardness Change, pnts	+10 to -5	+3
Tensile Strength Change, %	-20 max	-9
Elongation Change, %	-25 max	-16
Weight Change, %	2 max	.75
AMS 3021 Immersion 70 hrs at 150°C		
Hardness Change, pnts	+/-15	+5
Tensile Strength Change, %	-40 max	-31
Elongation Change, %	-25 max	-13
Volume Change, %	+1 to 15 max	+10
Compression Set, %	30 max	18
TTS-735 Type 3 Immersion 70 hrs at 150°C		
Hardness Change, pnts	-20 max	-13

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Test Items	Spec	Results
Tensile Strength Change, %	-45 max	-33
Elongation Change, %	-35 max	-24
Volume Change, %	+1 to 25 max	+19

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