

**FLUOROSILICONE 70**

TEST REPORT

A	COLOUR	BLUE		
B	OPERATING TEMP RANGE	(-) 70 TO (+) 175 DEG C		
C	COMPLYS TO	ASTM D2000 M2FK706 A19 EF31 EO36 F19		
D	PHYSICAL PROPERTIES	PRESS CURE @ 165 DEG C X 10 MIN		
			<u>REQUIREMENTS</u>	<u>RESULTS</u>
		HARDNESS SHORE A	70 (+ OR - 5)	73
		TENSILE STRENGTH MPA	6	7.1
		ELONGATION %	150	210
		SPECIFIC GRAVITY		1.457
E	HEAT RESISTANCE	TESTED AT 2225 DEG C FOR 70 HOURS		
		HARDNESS CHANGE (POINTS)	(-)5 TO (+)10	(+)4
		TENSILE STRENGTH CHANGE %	(-)45	(-)32
		ELONGATION CHANGE %	(-)45	(-)38
F	COMPRESSION SET	CURING CONDITIONS		
		HEAT AGING @ 175 DEG C X 22 HOURS %	NO REQUIREMENT	19
G	FLUID RESISTANCE TEST METHOD D471 NO 1	OIL IMMERSION @ 150 DEGC X 70 HOURS		
		HARDNESS CHANGE (POINTS)	NO REQUIREMENT	0
		TENSILE STRENGTH CHANGE %	NO REQUIREMENT	(+)7
		ELONGATION STRENGTH CHANGE %	NO REQUIREMENT	(-)2
		VOLUME CHANGE %	NO REQUIREMENT	(+)5
H	FLUID RESISTANCE TEST METHOD D471 NO 3	OIL IMMERSION @ 150 DEGC X 70 HOURS		
		HARDNESS CHANGE (POINTS)	0 TO (-)10	(-)7
		TENSILE STRENGTH CHANGE %	(-)35	(-)29
		ELONGATION STRENGTH CHANGE %	(-)30	(-)28
		VOLUME CHANGE %	0 TO (+)10	(+)6
I	-S-735 TYPE 3 FUEL RESISTANCE	TESTED @ 23 DEG C FOR 22 HOURS		
		HARDNESS CHANGE (POINTS)	0 TO (-)15	0
		TENSILE STRENGTH CHANGE %	(-)35	(-)29
		ELONGATION STRENGTH CHANGE %	(-)30	(-)28
		VOLUME CHANGE %	0 TO (+)10	(+)6

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