



## **COMPOUND AND SPECIFICATION DATA FOR MASTER SEAL® SILICONE RUBBER 70 SHORE A**

**TYPICAL PHYSICAL PROPERTIES FOR MS SILICONE  
ASTM D2000 M4GE 706 A19, C12, F19, G11, Z1 Z2 Z3 Z4.**

<b>PROPERTY</b>		<b>VALUE</b>	<b>TEST METHOD</b>
BASE MATERIAL		SILICONE RUBBER	N/A
COLOR		COLORED	N/A
TEST LEVEL		4	GRADE
TEST TEMPERATURE		70 HS G 225° C	TYPE
VOLUME SWELL		IRM 903 70 hrs. AT 100C +120	CLASS E
DUROMETER		70 +/- 5 (SHORE)	ASTM D 2240
TENSILE STRENGTH		10 MPA (1450 psi) MINIMUM	ASTM D 412
ULTIMATE ELONGATION		250 % MINIMUM	ASTM D 412
A19	HEAT AGING	70 hrs. @ 100° C Change in hardness, max + 10 Pts Change tensile, max. -30% Change elongation, max -30%	ASTM D 573
B17	COMPRESSION SET	22 hrs. @ 100 ° C MAX 50%	ASTM D 395 B
C12	OZONE RESISTANCE	70 hrs. @ 50 pphm 38° C 100% quality retention	ASTM D 1171
G11	TEAR RESISTANCE	DIE C	ASTM D 624
F19	LOW TEMPERATURE BRITTLENESS	3 MINUTES @ -55° C PASS	ASTM D 2137A, 9.3.3
Z1	TARGET HARDNESS	70 SHORE A	ASTM D 2240
Z2	SPECIFIC RUBBER	SILICONE	
Z4	ADVANCED OZONE REQUIREMENT	70 hrs. @ 500 pphm 38° C (100% F ) PASS	ASTM D 1171

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Specifications subject to change without notice.