

# COMPOUND AND SPECIFICATION DATA FOR MASTER FLASH® SILICONE

TYPICAL PHYSICAL PROPERTIES OF MF SILICONE  
ASTM D2000 M4 GE 505 A19, B37, C12, F19, Z1, Z2, Z3, Z4, Z5, Z6, Z7.

PROPERTY		VALUE	TEST METHOD
BASE MATERIAL		SILICONE	N/A
COLOR		TERRA COTTA/GRAY	N/A
TEST LEVEL		4	GRADE
TEST TEMPERATURE		225° C	GRADE
VOLUME SWELL		MAX 80%	CLASS
DUROMETER		50 (SHORE)	ASTM D 2240
TENSILE STRENGTH		5 MPA (725 psi) MINIMUM	ASTM D 412
ULTIMATE ELONGATION		250 % MINIMUM	ASTM 412
A19	HEAT AGING	70 hrs. @ 225 C Change in hardness Max +10 pts Change in tensile Max -25 % Change in ultimate elong. Max -30%	ASTM D 573
B37	COMPRESSION SET	22 hrs. @ 175° C MAX 25%	ASTM D 395 B
C12	OZONE RESISTANCE	70 hrs. @ 50 pphm 38° C 100% quality retention	ASTM D 1171
F19	LOW TEMPERATURE BRITTLENESS	3 MINUTES @ -55° C (-67° F)	ASTM D 2137A, 9.3.2
Z1	TARGET HARDNESS	55 SHORE A	ASTM 2240
Z2	SPECIFIC RUBBER	SILICONE	N/A
Z3	HORIZONTAL FLAME RESISTANCE	NOT TO EXCEED 3 IN/ MINUTE	UL-94

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Specifications subject to change without notice.

