



## COMPOUND AND SPECIFICATION DATA FOR MASTER FLASH® EPDM BLACK 50 SHORE

TYPICAL PHYSICAL PROPERTIES OF MF EPDM  
 ASTM D2000 M3BA510, A14, B13, C12, F19, K11, Z1, Z2, Z3, Z4, Z5, Z6.

PROPERTY		VALUE	TEST METHOD
BASE MATERIAL		CROSS LINKED EPDM ETHYLENE PROPYLENE DIENE TERPOLYMER	N/A
COLOR		BLACK	N/A
TEST LEVEL		3	GRADE
TEST TEMPERATURE		B 100° C	GRADE
VOLUME SWELL		NO REQUIREMENT	CLASS
DUROMETER		50 (SHORE)	ASTM D 2240
TENSILE STRENGTH		10 MPA (1450 psi) MINIMUM	ASTM D 412
ULTIMATE ELONGATION		400% MINIMUM	ASTM D 412
A14	HEAT AGING	70 Hrs @ 100 C CHANGE IN HARDNESS +10 pts CHANGE TENSILE MAX -25% CHANGE ELONGATION -25%	ASTM D 573
B13	COMPRESSION SET	22 hrs. @ 70 ° 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 BRITTLINESS	3 MINUTES @ -55° C PASS	ASTM D 2137A, 9.3.2
Z1	NON-STAINING	PASS	
Z2	SPECIFIC RUBBER	EPDM	
Z3	HORIZONTAL FLAME RESISTANCE	NOT TO EXCEED 3 IN/MINUTE	UL-94
Z4	ADVANCED OZONE REQUIREMENT	70Hrs. @ 500 pphm @ 38° C (100°) PASS	ASTM D 1171
Z5	ACCELERATED WEATHERING RESISTANCE	2,000 Hrs. TENSILE AND ELONGATION PASS UV LIGHT MAX LOSS 50%	G 154
Z6	ACCELERATED WEATHERING RESISTANCE	1,000 Hrs. USING UVB 313 LAMPS TENSILE AND ELONGATION 50% MAX LOSS	G 155 12A
K14	ADHESION TO ALUMINUM	25 PPI MINIMUM	PROPIETARY

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 Specifications subject to change without notice.