

# COMPOUND AND SPECIFICATION DATA FOR MASTER SEAL® BLACK EPDM

TYPE 1: TYPICAL PHYSICAL PROPERTIES OF MASTER SEAL® EPDM KV KL70-587  
ASTM D2000 M3BA710B<sub>13</sub>C<sub>12</sub>F<sub>19</sub>

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	TYPE
VOLUME SWELL	A NO REQUIREMENT	CLASS
DUROMETER HARDNESS	70 ± 5	ASTM D2240
TENSILE STRENGTH	10 MPA (1450 psi ) MINIMUM	ASTM D412
ULTIMATE ELONGATION	250% MINIMUM	ASTM 412A/C
HEAT RESISTANCE	HEAT AGING 70 HRS @ 100° C CHANGE / HARDNESS MAXIMUM ± 10 PTS CHANGE / TENSILE MAXIMUM -25% CHANGE / ULTIMATE ELONGATION MAX -25%	ASTM D573
COMPRESSION SET	MAXIMUM 25%	ASTM D395B
OZONE RESISTANCE	NO OBSERVED EFFECT ( 70 HRS @ 50 pphm )	
	100% QUALITY RETENSION FACING	ASTM D1171
LOW TEMPERATURE BRITTLENESS	NON-BRITTLE 3 min @ -55 C	ASTM D2137
UV RESISTANCE	EXCELLENT	
RESISTANCE TO AGING	EXCELLENT	
NON-STAINING	PASS	

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Specifications subject to change without notice.

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