



MR O-RING

QUALITY YOU TRUST, SERVICE YOU RELY ON

Material Datasheet

Compound #: E70C

EPDM, General Purpose

Material Summary		
Material Type:	EPDM	
Durometer:	70	
Color:	Black	
Recommended Temperature Range (Static):	-40°C to 121°C	
Cure System:	Sulfur	
Specification:	ASTM D2000 M3BA710 A14 B13 C12 F17 Z1=FMVSS302	
(A14) Original Properties	Requirements	Typical Results
Hardness, (Shore A) (ASTM D412-16)	70±5	73
Tensile Strength, psi(MPa) (ASTM D412-16)	1450(10)(min)	1577(10.87)
Elongation, (%) (ASTM D412-16)	250	474
(B13) Compression set, 22 Hrs @ 70°C (ASTM D395-16)		
-	25%(max)	12.8
(C12) Heat Aging in Air, 70 Hrs @ 100 °C (ASTM D573-04)		
Hardness Change, pts.	10(max)	+4
Tensile Strength Change, %	-25(max)	-5
Elongation Change, %	-25(max)	-19
(F17) Brittleness Point, 3 Min. @ -40°C (ASTM D2137-11)		
Hardness Change, pts.		pass
Method A Ozone-Triangle, 70 Hrs @ 40°C, 50 mPA Ozone (ASTM D1171-15)		
Conditioned for 72 Hrs. Before Exposure	RATING 0	0
MISC PASS/FAIL		
FMVSS 302		pass

*American Society for Testing and Materials

Information within this report is believed to be accurate and reliable. However, Mr. O-Ring makes no warranty, expressed or implied, that parts supplied in this material will perform satisfactorily in specific applications. It's the customer's responsibility to evaluate prior to use.