



MR O-RING

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Material Datasheet

Compound #: E70

EPDM, Black, General Purpose

Material Summary		
Material Type:	EPDM	
Durometer:	70	
Color:	Black	
Recommended Temperature Range (Static):	-55°C to 125°C	
Specification:	ASTM D2000 M2DA710 A26 B36 EA14 F18 G11	
Original Properties	Requirements	Typical Results
Hardness, (Shore A) (ASTM D2240-15 ^{e1})	70±5	69
Tensile Strength, psi(MPa) (ASTM D412-16)	1450(10)(min)	1978(13.64)
Elongation, (%) (ASTM D412-16)	200(min)	255
Modulus at 100%, psi(MPa) (ASTM D412-16)		782(5.39)
Density, (Mg/m ³) (CNS 5341-96, Method A)		1.27
(A26) Heat age, 70 Hrs @ 150 °C (ASTM D573-04)		
Hardness Change, pts.	+10(max)	+4
Tensile Strength Change, %	-20(max)	-11
Elongation Change, %	-20(max)	-10
(B36) Compression set, 22 Hrs @ 150 °C (ASTM D395-18, Method B)		
-	40%(button)(max)	19
(EA14) Water Resistance, 70 Hrs @ 100°C (ASTM D471-16a)		
Hardness Change, pts.		+1
Tensile Strength Change, %		0
Elongation Change, %		-22
Volume Change, %	±5	+1.6
(F18) Low Temp Resistance, 3 Min @ -50°C (ASTM D2137-11)		
Nonbrittle	pass	pass
(G11) Tear Resistance, Die B (ASTM D624-12)		
mkN/m	17(min)	44.0

*American Society for Testing and Materials

Report Date: 9/12/2022

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.