

Material Datasheet

Compound #: E70-D101

EPDM, General Purpose

Material Summary

Material Type:	EPDM
Durometer:	70
Color:	Black
Special Properties:	
Recommended Temperature Range (Static):	-40°C (-40°F) to 121°C (250°F)
Cure System:	Sulfur
Meets 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(10.9)
Elongation, (%) (ASTM D412-16)	250	474
(B13) Compression set, 22 Hrs @ 70°C (ASTM D395-16)		
-	25%(max)	12.80%
(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, Method A)		
		pass
(F17) Ozone-Triangle, 70 Hrs @ 40°C, 50 mPa of Ozone (ASTM D1171-15, Method A)		
Conditioned for 72 Hrs before exposure	rating 0	0
(F17) Misc. Pass/Fail, FMVSS 302		
		pass

Compound Previously Known As: E70CD

Report Date: 5/25/2022

Information within this report is believed to be accurate and reliable. However, Global O-Ring and Seal 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.