

Material Datasheet

Compound #: C70-D101

Chloroprene, Black, General Purpose

Material Summary		
Material Type:	Chloroprene	
Durometer:	70	
Color:	Black	
Special Properties:		
Recommended Temperature Range (Static):	-40°C (-40°F) to 100°C (212°F)	
Cure System:	Sulfur	
Meets Specification:	ASTM D2000 M3BC710 A14 C12 EO14 EO34 F17	
Original Properties	Requirements	Typical Results
Hardness, (Shore A) (ASTM D2280)	70±5	71
Tensile Strength, psi(MPa) (ASTM D412)	1450(10)(min)	1551(10.7)
Elongation, (%) (ASTM D412)	250	311
(C12) Air age, 70 Hrs @ 100 °C (ASTM D573)		
Hardness Change, pts.	+15	+10
Tensile Strength Change, %	-15(max)	-3.2
Elongation Change, %	-40(max)	-9.2
(EO14) ASTM #1 Oil, 70 Hrs @ 100 °C (ASTM D471)		
Hardness Change, pts.	+10(max)	+7
Tensile Strength Change, %	-30(max)	-14
Elongation Change, %	-30(max)	-25
Volume Change, %	-10~+15	-7.9
(EO34) IRM 903 Oil, 70 Hrs @ 100 °C (ASTM D471)		
Hardness Change, pts.	-60(max)	-40
Elongation Change, %	-50(max)	-29.1
Volume Change, %	+100	+72.6
(F17) Compression Set, 22 Hrs. @ 100°C (ASTM D395B)		
	80(max)	32.7
(F17) Ozone Resistance, 70 Hrs. @ 40°C (ASTM D1171)		
	no crack	pass
(F17) Low Temp, 3 min. @ -40°C (ASTM 2137)		
	no crack	pass

Compound Previously Known As: C70CD

Report Date: 5/9/2019

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.