
Cord Compound C70CD Data Sheet

Material: Chloroprene Rubber
70 Durometer, Black

General Information:

Chloroprene (CR) is a multi-purposed elastomer which yields a balanced combination of properties. It performs well in contact with oils and many chemicals and has good resistance to sun, ozone and weather. It also displays outstanding toughness and good resistance to fire.

Cure System: *Sulfur-cured*

Temperature Range: -40°C (-40°F) to 100°C (212°F)

Attributes:

Color: Black

Durometer Shore A: 70±5

Shelf-life: 15 years

Performs Well In:

- Refrigerants
- Ammonia
- Water
- Silicone grease and oils
- High aniline point mineral oil

Doesn't Perform Well In:

- Aromatic hydrocarbons
- Ketones
- Esters
- Ethers
- Strong oxidizing acids
- Chlorinated hydrocarbons

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TEST REPORT FOR CORD COMPOUND C70CD

MATERIAL: CHLOROPRENE

DUROMETER: 70

COLOR: BLACK

ASTM D2000 M3BC710 A14 C12 EO14 EO34 F17

SECTION OF SPEC.	PROPERTIES	REQUIREMENTS	RESULTS	ASTM TEST METHOD
A14	ORIGINAL PROPERTIES			
	Durometer Hardness	70±5	71	D2280
	Tensile Strength (PSI)	1450	1551	D412
	% Elongation	250	311	D412
C12	AIR AGED			D573
	70 hours at 100°C			
	Hardness (Points Change)	+15 max	+10	
	Tensile (% Change)	-15 max	-3.2	
EO14	IMMERSION			D471
	ASTM #1 Oil 70 Hrs. @ 100°C			
	Hardness (Points Change)	+10 max	+7	
	Tensile (% Change)	-30 max	-14	
	Elongation (% Change)	-30 max	-25	
EO34	IMMERSION			D471
	IRM 903 Oil 70 Hrs. @ 100°C			
	Tensile (% Change)	-60 max	-40	
	Elongation (% Change)	-50 max	-29.1	
F17	COMPRESSION SET			D395B
	22 Hrs. @ 100°C	80 max	32.7	
	OZONE RESISTANCE			D1171
	70 Hrs. @ 40°C	no cracks	no cracks	
	LOW TEMP			2137
	3 min @ -40°C	no cracks	no cracks	

*American Society for Testing and Materials

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