GLOBAL O-RING and SEAL
ALL-AROUND BETTER

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Cord Compound WE70CD Data Sheet

Material: Ethylene Propylene (EPDM)
70 Durometer, White

General Information:
EPDM possesses an excellent resistance to ozone, sunlight and weathering, and has very good flexibility at low temperature, good chemical resistance (many dilute acids and alkalis as well as polar solvents) and good electrical insulation property.

Cure System: *Peroxide-cured*

Temperature Range: -40°C (-40°F) to 121°C (250°F)

Attributes:
Color: White
Durometer Shore A: 70±5
Shelf-life: Unlimited
FDA Grade: Yes

Performs Well In:

- Alcohols
- Automotive brake fluid
- Ketones
- Dilute acids and alkalis
- Silicone oils and greases
- Steam up to 204.4°C (400°F)
- Water
- Phosphate ester based hydraulic fluids
- Ozone, aging and weathering

Doesn't Perform Well In:

- Aliphatic and aromatic hydrocarbons
- Di-ester based lubricants
- Halogenated solvents
- Petroleum based oils and greases

Request A Quote

WE70CD

TEST REPORT FOR CORD COMPOUND WE70CD

MATERIAL: ETHYLENE PROPYLENE
DUROMETER: 70
COLOR: WHITE
ASTM* D2000 M2AA710 A13 B13 C12 F19

SECTION OF SPEC.	PROPERTIES	REQUIREMENTS	RESULTS	ASTM TEST METHOD
	ORIGINAL PROPERTIES			
	Durometer Hardness	70±5	72	
	Tensile Strength (PSI)		1390	
	% Elongation		284	
A13	**HEAT RESISTANCE**			
	70 hours at 70°C			
	Hardness (Points Change)		+2	
	Tensile (% Change)		-3.5	
	Elongation (% Change)		+1.7	
B13	**COMPRESSION SET**			
	22 hours at 70°C			
	% Compression set		+8	
C12	**OZONE RESISTANCE**			
	40°C, 50PPHM 20% Strength for 72Hrs			
	Brittle Point	Non-Brittle	Pass	
F19	**LOW TEMPERATURE RESISTANCE**			
	3 Min. @ -55°C			
	Brittle Point	Non-Brittle	Pass	
Meets FDA REG# 21 CFR 117.2600				

*American Society for Testing and Materials