

# EPDM Elastomer 558CK Compound

## General Features

- Superior compression set resistance
- Very good heat resistance
- Excellent resistance to water, steam, and aqueous acid/base environments
- Excellent resistance to chlorine and chloramine disinfectants
- Good low-temperature performance
- Global water, food, and beverage certifications

## Application

Developed for use in potable water, food and beverage applications.

558CK exhibits excellent resistance to various aqueous food products and has multiple global certifications for health, hygiene, and safety in food and water applications.

Proprietary compound formula developed by Minnesota Rubber & Plastics

### ORIGINAL PROPERTIES

Property	Unit	Nominal	Typical	ASTM Test Method
Hardness	Shore A	90 ± 5	86	D 2240
Tensile Strength	MPa	10 min	13.9	D 412
Elongation at break	%	100 min	94	D 412
Tear Strength, Die C	kN/m	N/A	27.5	D 624
Specific Gravity	N/A	N/A	1.19	D 297

Air Age, 70h @ 125°C

Property	Measured Change	ASTM Test Method
Hardness/Shore A	3.0	D 2240
Tensile Strength	8.3%	D 412
Elongation at break	-7.4%	D 412

### 558CK Certifications



Additional information is available upon request.

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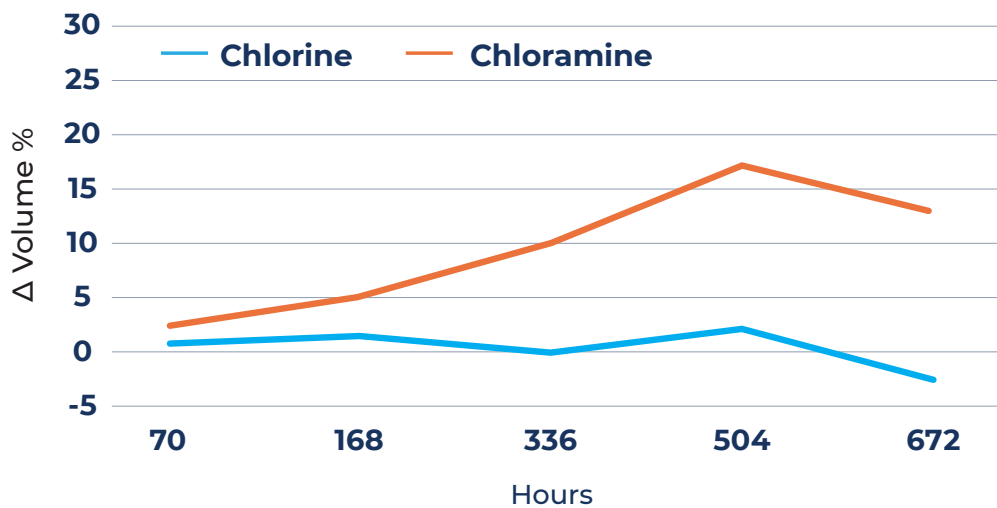
Compression Set Resistance, per ASTM D 395, Method B

Dwell Time	Measured Change after Dwell Time		
	100°C	125°C	150°C
70 Hours	6.9%	9.5%	14.7%

De-Ionized Water, 70h @ 100°C

Property	Measured Change	ASTM Test Method
Hardness/Shore A	1.0	D 2240
Volume Change	0.0%	D 471

558CK – CHLORINE + CHLORAMINE RESISTANCE, 50 PPM AT 70°C



Per Minnesota Rubber & Plastics iso-concentration, continuous flow method

Contact us today **to learn more**

Our Global Manufacturing + Supply Chains  
put you closer to your customers

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