

# Qmonix® EPDM Elastomer Compound 559GT

## General Features

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

## Application

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

559GT exhibits excellent resistance to various aqueous food products and has certifications for health, hygiene, and safety in food and water applications.

## ORIGINAL PROPERTIES

| Property             | Unit    | Nominal | Typical | ASTM Test Method |
|----------------------|---------|---------|---------|------------------|
| Hardness             | Shore A | 90 ± 5  | 87      | D 2240           |
| Tensile Strength     | MPa     | 10 min  | 13.6    | D 412            |
| Elongation at break  | %       |         | 108     | D 412            |
| 100% Modulus         | MPa     |         | 12.7    | D 412            |
| Tear Strength, Die C | kN/m    |         | 15.2    | D 624            |
| Specific Gravity     |         |         | 1.21    | D 297            |

## Certifications



NSF/ANSI Standard 61



FDA 21 CFR 177.2600

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Air Age, 70h @ 100°C per ASTM D 573

| Property           | Unit    | Typical |
|--------------------|---------|---------|
| Δ Hardness         | Shore A | 1       |
| Δ Tensile Strength | %       | 7.5     |
| Δ Elongation       | %       | 1.9     |

Air Age, 70h @ 125°C per ASTM D 573

| Property           | Unit    | Typical |
|--------------------|---------|---------|
| Δ Hardness         | Shore A | 3       |
| Δ Tensile Strength | %       | -0.5    |
| Δ Elongation       | %       | -4.6    |

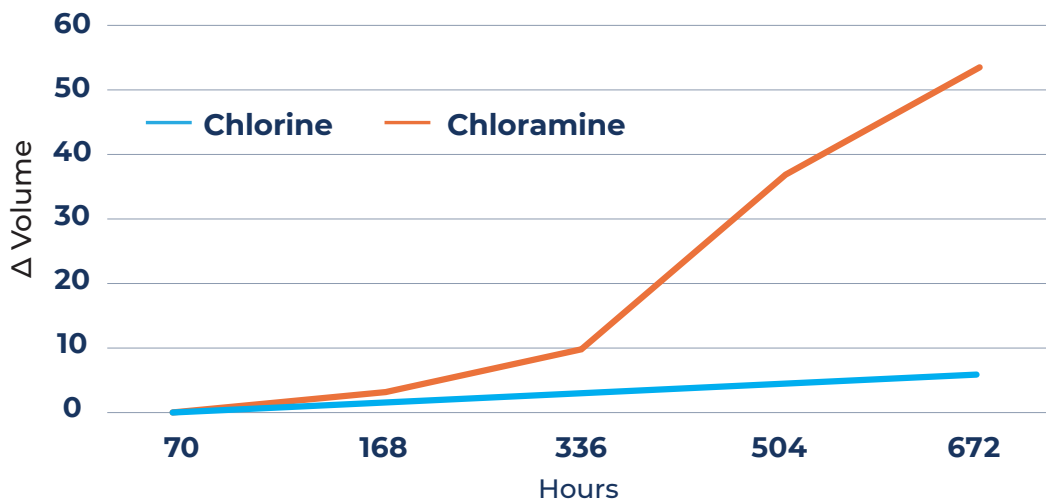
De-Ionized Water, 70h @ 100°C per ASTM D 471

| Property   | Unit    | Typical |
|------------|---------|---------|
| Δ Hardness | Shore A | -1      |
| Δ Volume   | %       | 0.5     |

Compression Set Resistance,  
per ASTM D 395, Method B

| Property    | Unit | Typical |
|-------------|------|---------|
| 22h @ 100°C | %    | 6.7     |
| 22h @ 125°C | %    | 8.9     |
| 70h @ 100°C | %    | 8.8     |
| 70h @ 125°C | %    | 12.9    |

## 559GT - CHLORINE + CHLORAMINE RESISTANCE 50 PPM @ 70° C



Contact us today **to learn more**

Our Global Manufacturing + Supply Chains  
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