

Qmonix® EPDM Elastomer Compound 561GU

General Features

- Self-lubricating surface to provide low COF for ease of assembly or product performance
- Excellent compression set resistance
- Very good heat resistance
- Excellent resistance to water, steam, and aqueous acid/base environments
- Excellent resistance to chlorine and chloramine
- Good low-temperature performance
- Water, food, and beverage certifications

Application

Developed for use in potable water and food and beverage applications where low friction or assembly assistance is required.

561GU exhibits excellent resistance to various aqueous food products and has multiple global certifications for health, hygiene, and safety in food and water applications.

ORIGINAL PROPERTIES

Property	Unit	Required	Typical	ASTM Test Method
Hardness	Shore A	70 ± 5	72	D 2240
Tensile Strength	MPa	10 min	10.5	D 412
Elongation at break	%		165	D 412
100% Modulus	MPa		5.2	D 412
Tear Strength, Die C	kN/m		13.7	D 624
Specific Gravity			1.10	D 297

Certifications



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	%	2.3
Δ Elongation	%	2.4

Air Age, 70h @ 125°C per ASTM D 573

Property	Unit	Typical
Δ Hardness	Shore A	2
Δ Tensile Strength	%	-2.8
Δ Elongation	%	-1.8

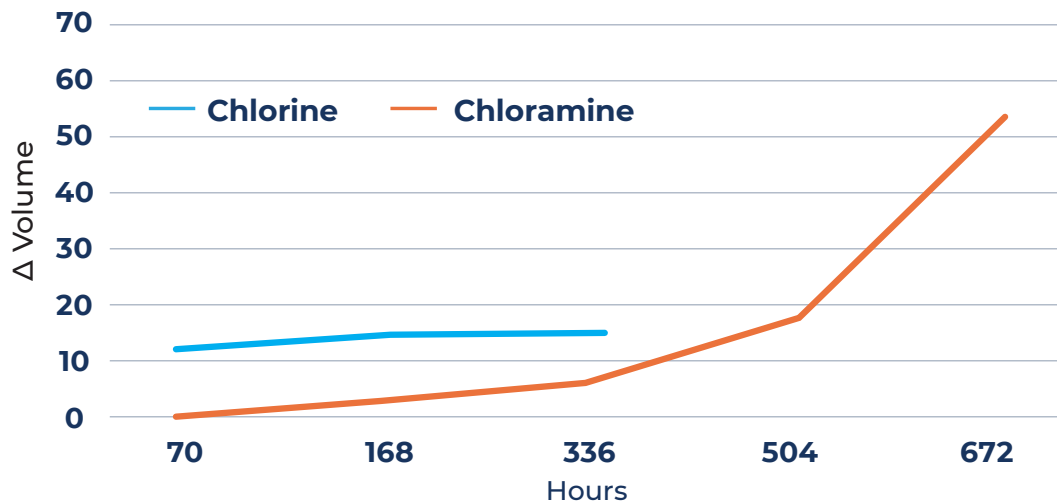
De-Ionized Water, 70h @ 100°C per ASTM D 471

Property	Unit	Typical
Δ Hardness	Shore A	-2
Δ Volume	%	1

Compression Set Resistance,
per ASTM D 395, Method B

Property	Unit	Typical
22h @ 100°C	%	6
22h @ 125°C	%	7.3
70h @ 100°C	%	9.3
70h @ 125°C	%	11.9

561GU - CHLORINE + CHLORAMINE RESISTANCE



Contact us today **to learn more**

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

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