



Pool Water EPDM



NSF61 Certified and High Chlorine & Chloramine Resistant Elastomer

Trelleborg's High Chlorine & Chloramine-resistant Ethylene Propylene Diene Rubber (EPDM) elastomer polymer is tested and certified to North American regulatory requirements, enabling pool and spa systems suppliers to simplify inventory management and minimize costs by reducing their inventory of parts and finished goods. The High Chlorine & Chloramine-resistant material is available in a variety of different products, ranging from O-Rings and gaskets to diaphragms and custom shapes.

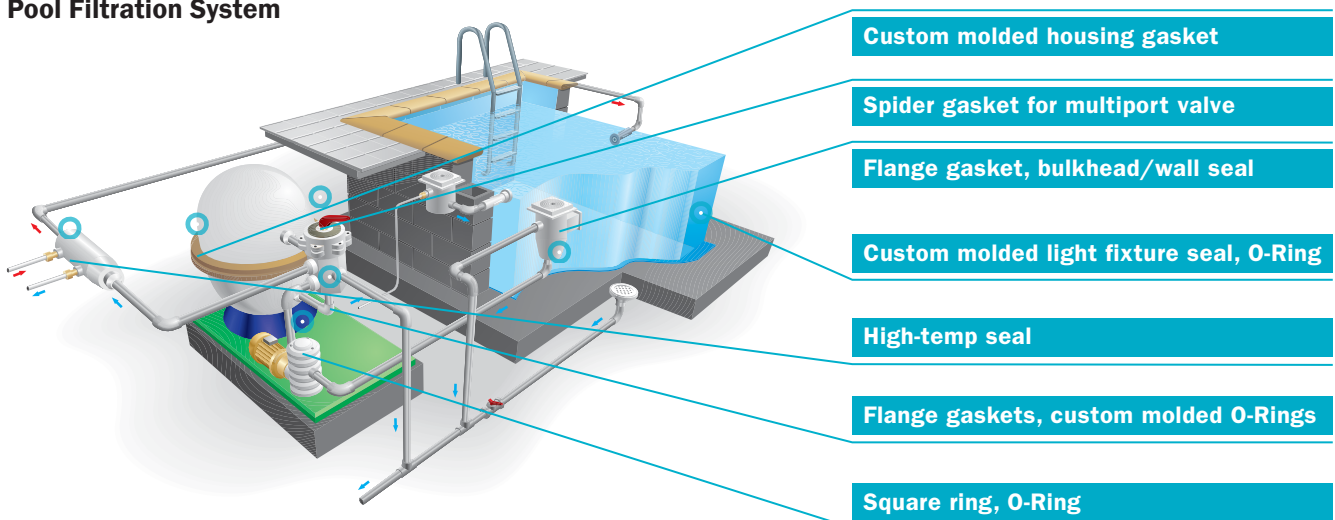
Features

- Long-term resistance to Chlorine and Chloramine
- Certified to FDA and NSF61 sanitary standards
- Quality levels to ISO 9001, ISO 14001, ASTM 2000, and NSF, including 100% inspection and zero defects
- Available as standard and non-standard O-Rings, custom-molded designs and bonded products
- Excellent performance in ASTM D6284-17 tests for Chlorine and Chloramine resistance

Application Examples

- Pools
- Spas
- Filtration Systems
- Potable Water Systems
- Water Treatment Systems

Pool Filtration System



Materials

TSS Code	Durometer
ECW01	75

Material Certification

Region	Certification
North America	FDA
North America	NSF61

High Chlorine & Chloramine Resistant EPDM

Property	ASTM	Units	Actual Test Performance
			ECW01
Durometer Hardness (Shore A)	D2240	points	75
Tensile Strength	D412	Mpa	11.8
Elongation at Break	D412	%	350
Specific Gravity	D297	g/cm ³	1.2
Compression Set (22H @ 100 °C -air)	D395B	%	22/Plied
Low Temp		°C	-45
High Temp		°C	+125
Chlorine Resistance*			Good
Chloramine Resistance*			Good

* Chlorine and Chloramine Resistance Scale

Rating	Description
Good	low swell (5%) and hardness change (2%)