



General Features

- Very good compression set resistance
- Good heat resistance
- Good resistance to water, steam, and mild aqueous acid/base environments
- Very good resistance to general chemicals including bio-based and petroleum oils
- Suitable for use in contact with dairy based foods and beverages as well as aqueous based foods

Application

Developed for use in potable water, food and beverage applications. Also provides excellent chemical resistance, including Clean-in-Place Solutions, oils and fuels (including fuels oxygenated with alcohols and ethers).

536EG exhibits excellent resistance to various aqueous and non-aqueous food products and has multiple global certifications for health, hygiene, and safety in food and water applications.



Flow Controllers



Tank Bladders

RO Membranes



Filtration



Valves



Flow Meters



Brine Seals & Food Contact Seals



Quad-Ring® Seals



Food Contact Seals and Ground Rubber Balls

Certifications



NSF/ANSI Standard 51
NSF/ANSI Standard 61



FDA 21 CFR 177.2600



EC1935/2004



USP Class VI

Original Properties

Property	Unit	Required	Obtained	ASTM Test Method
Hardness	Shore A	70 ± 5	68	D 2240
Tensile	MPa	7 min	7.8	D 412
Elongation at break	%	200 min	266	D 412
100% Modulus	MPa		2.7	D 412
Tear Strength, Die C	kN/m		19.8	D 624
Specific Gravity			1.30	D 297

NBR Elastomer Compound 536EG

Air Age

Property	Unit	Obtained	ASTM Test Method
Change after 70h @ 100°C			D 573
Δ Hardness	Shore A	4	
Δ Tensile	%	-6.8	
Δ Elongation	%	-16.5	

Fluid Immersion

Property	Unit	Obtained	ASTM Test Method	Property	Unit	Obtained	ASTM Test Method
IRM 901 Oil				IRM 903 Oil			
Change after 70h @ 100°C			D 471	Change after 70h @ 100°C			D 471
Δ Hardness	Shore A	1		Δ Hardness	Shore A	-5	
Δ Tensile	%	24.0		Δ Tensile	%	-34.5	
Δ Elongation	%	4.5		Δ Elongation	%	-28.9	
Δ Volume	%	-1.7		Δ Volume	%	12.0	

Property	Unit	Obtained	ASTM Test Method
Water			
Change after 70h @ 100°C			D 471
Δ Hardness	Shore A	-3	
Δ Tensile	%	0.9	
Δ Elongation	%	-4.5	
Δ Volume	%	1.3	

Compression Set Resistance

Property	Unit	Obtained	ASTM Test Method
			D 395, Method B
22h @ 100°C	%	12.9	

Low Temperature

Property	Obtained	ASTM Test Method
Glass Transition Temperature, °C	-29	D 7426



To get a quote or order, please visit our website or contact one of our Customer Service Representatives
USA: 1(800)927-1422 Asia: +86-512 6273 2700 Europe: +33(0)2 32 22 24 26