

Clean EPDM Gaskets

For Food and Beverage and
Pharmaceutical Applications

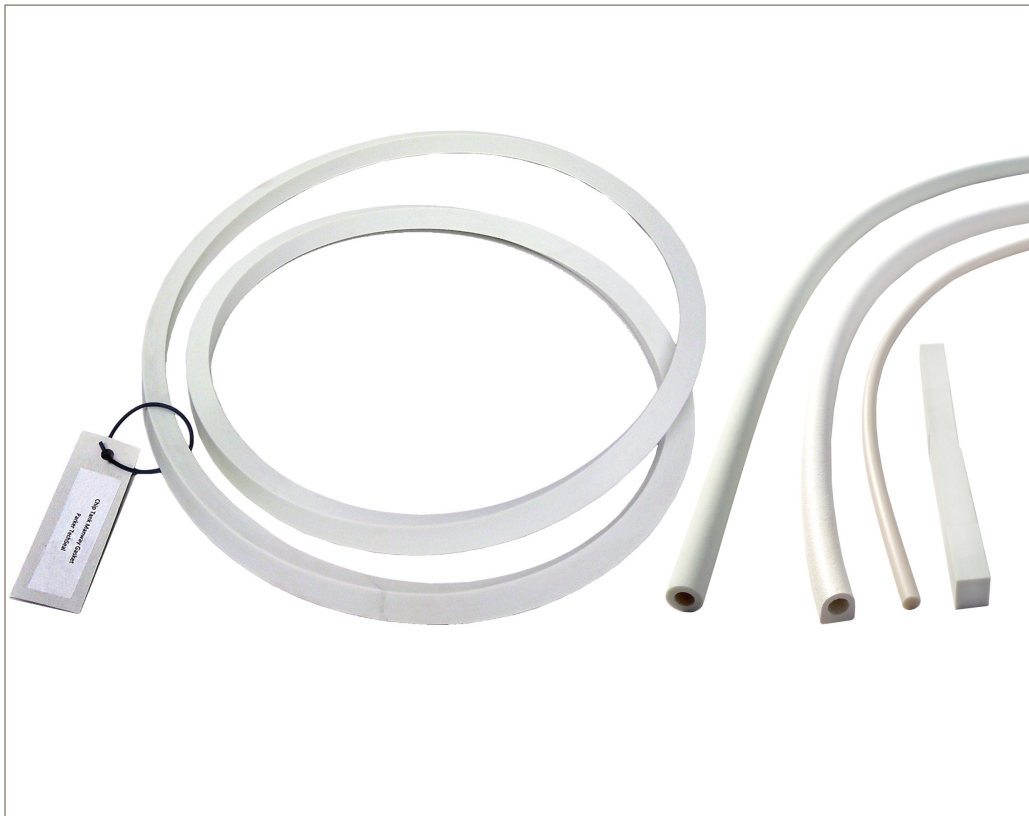


Non-Taste Affecting, Low Extractable:

Parker TechSeal manufactures clean EPDM seals and gaskets for the food and beverage and the pharmaceutical industries. Typical applications include manways and view ports for processing tanks and vessels.

These gaskets are extruded from two clean EPDM compounds, EJ577-65 and EJ590-70. They have been developed to meet FDA and to be low extractable, meaning that the chemical ingredients from the gasket will not leak out into the surrounding environments. The clean EPDM gaskets protect the process media from contamination and ensure the safeness of the final food and bev or pharmaceutical product.

TechSeal's clean EPDM compounds are available in forms of custom solid and hollow profiles, cordstock or spliced rings.



Contact Information:

Parker Hannifin Corporation
TechSeal Division
3070 Southport Rd
Spartanburg, SC 29302

phone 864 573 7332
fax 864 583 4299
tsdmarketing@parker.com

www.parker.com/techseal



Product Features:

- Low extractable
- Non-taste affecting
- FDA white listed materials
- Excellent resistance to steam, mineral acids and household cleaning solutions
- Superior compatibility with polar fluids and polar solvents at high temps
- Clean, individual packaging and labeling available
- Custom sizes including large diameter rings with little or no tooling charges

ENGINEERING YOUR SUCCESS.

Clean EPDM Compound Properties

- Specially formulated for the food & beverage and the pharmaceutical industries.
- Ideal applications: manway door for manufacturing tanks and process vessels.
- Excellent resistance to hot water, steam, mineral oils and common cleaning solutions (polar solvents).

	ASTM TEST PROCEDURE	REQUIREMENT	EJ577-65	EJ590-70
PHYSICAL TESTING				
Hardness, Shore A	D2240	-	66	74
Tensile, PSI	D412	-	842	1661
Elongation, %	D412	-	321	244
100% Modulus	-	-	320	733
COMPRESSION SET, %				
22 hrs @ 100°C	D395	-	16	
FDA EXTRACTION TEST; CFR 177.260				
Extractable Content, mg/in ² (first 7 hrs)		20	0.6	0.9
Extractable Content, mg/in ² (next 2 hrs)		1	0.1	None Detected

Complete Sealing Systems

TechSeal can leverage its versatile manufacturing capabilities to provide clean EPDM seals and gaskets for the entire food & bev or pharmaceutical processing system, beyond manway and view port applications. The diverse products line of clean EPDM includes:

- Standard hollow, solid and custom profiles
- Precision cut seals
- Extruded and spliced gaskets
- Molded shapes

Having a complete clean EPDM sealing system in the operation can ensure:

- Quality and safety control throughout all processes
- Lower risk of contamination
- Compliance with current Good Manufacturing Practices (cGMP)

