

The best chemical compatibility in elastomers.

FKM - Fluorocarbon (VITON), aggressive chemical applications.

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FKM rubber, or Viton GUARNISIL® 295, is a specialty fluorinated polymer, recognized globally as the gold standard in elastomeric sealing technology. The high proportion of fluorine in its molecular structure gives it exceptional resistance to degradation from heat, oxidation, ozone, and a wide range of aggressive chemicals. It is the material specified by engineers for mission-critical equipment.

Competitive Advantages:

Protection of Critical Assets: Ensures the safe containment of hazardous, toxic, or flammable fluids, protecting personnel and preventing fines for environmental spills.

Extended MTBF: Maximizes the Mean Time Between Failures (MTBF) of your pumps, valves, and flanges, allowing for significantly longer intervals between preventive maintenance.

Unsurpassed in Hydrocarbons: Does not swell or lose mechanical properties when constantly immersed in high-temperature synthetic fuels or oils.

Usage Recommendations:

Compatible Fluids: Gasoline, hydraulic oils, aromatic solvents (toluene, benzene), mineral acids, and synthetic lubricants above 150°C.

Critical Limitations (Caution!): FKM is highly vulnerable to ketones (such as acetone), amines, low molecular weight esters, and superheated steam. For extreme steam, return to our GUARNISIL® 275 or RAIFLON® line.

TECHNICAL DATA

Properties:	GUARNISIL® 295 Sheet
Composition:	FKM - Fluorocarbon (VITON), aggressive chemical applications.
Flange Face:	FF - Flat Face
Temperature, Max:	500 °F
Temperature, Continuous:	428 °F
Temperature, Min:	-58 °F
Pressure, Max:	290 psi
Density:	140.46 Lb/ft3
Hardness, Shore A:	60-65
Elongation at break:	350 %
Tensile strength:	142.23 psi
P x T @ 1/16, Psi x °F:	19,980
P x T @ 1/8, Psi x °F:	16,650
Availability:	GUARNISIL® 295 Roll
Availability:	39.4" Wide 1/32" / 39.4" / 33ft 1/16" / 39.4" / 33ft 1/8" / 39.4" / 33ft 3/16" / 39.4" / 33ft 1/4" / 39.4" / 33ft
Notes:	Other sizes available upon request. *** Thickness tolerance: ±10%. Dimensional tolerance: ±5%

***Maximum Temperature and pressure ratings shouldn't occur simultaneously.

Trusted Sealing Solutions.

We can cut the parts for you.



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