

RAITECH® GUARNISIL® HRA-275

High weather resistance and compatible with certain diluted acids.

GUARNISIL® 275 EPDM rubber is a high-performance polymer specifically structured to resist severe environmental degradation. Its saturated backbone provides superior oxidation resistance, preventing damage from ozone and ultraviolet rays. It is the material of choice for static applications requiring a long service life outdoors or in continuous contact with high-temperature water and polar fluids.

Competitive Advantages:

Reduced External Maintenance: Dramatically extends gasket replacement cycles in weather-exposed equipment, eliminating failures due to drying and loss of elongation.

Hydrothermal Stability: Unlike other elastomers that degrade or swell with hot water, EPDM maintains outstanding compression and airtightness in steam applications.

Excellent Elastic Memory: Retains its rebound and sealing capacity (under compression set) despite temperature fluctuations from day to night.

Usage Recommendations:

Fluids and Environments: Steam, hot/cold water, brake fluid, coolants, direct exposure to the elements, and ozone.

Critical Operational Warning: EPDM is NOT compatible with hydrocarbons. It will swell and rapidly deteriorate upon contact with mineral oils, gasoline, diesel, or petroleum-based greases. For these fluids, use our Nitrile (NBR) line.



DATA SHEET

EPDM, Ethylene Propylene Diene type M

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TECHNICAL DATA

Properties:	GUARNISIL® 275	Sheet
Composition:	EPDM, Ethylene Propylene Diene type M	
Flange Face:	FF - Flat Face	
Temperature, Max:	248	°F
Temperature, Continuous:	176	°F
Temperature, Min:	-40	°F
Pressure, Max:	290	psi
Density:	101.13	Lb/ft3
Hardness, Shore A:	60-65	
Elongation at break:	580	%
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® 275	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.**

www.raitech.mx

All technical information and recommendations given in this document are based on our experience. However, we do not accept any liability. The data and values presented should be reviewed by the user, bearing in mind that sealing success can only be achieved by evaluating all parameters and variables directly on the job site. The parameters in this document are approximate and may influence each other if they occur simultaneously. Contact us for critical applications or where there is any doubt.