

Reinforced Rubber Gasketing & Diaphragm

Style 9200

Benefits

Elastic yet strong

- Combines elasticity and extensibility of rubber with strength of fabric insert
- Specially compounded in varying burst strengths for almost any service condition

Benefits

Improved sealability

- Nylon-reinforced nitrile rubber resists leakage
 - No measurable leakage in ASTM F-37 test for nitrogen sealability
 - Resists extrusion; seals at very low compressive stress
- Ideal replacement for cloth-inserted rubber in water applications

Typical Physical Properties

Style No.	Reinforced Rubber		Diaphragm	
	19	9200	7992	8798
Material	SBR rubber with 5.0 oz. cotton sheeting with 1/32" thickness as fabric insert; 10.8 oz. cotton chafer in all others	Nitrile with proprietary nylon insert†	Neoprene with 22 oz. hose duck fabric insert	Neoprene with 13 oz. nylon fabric insert
Rubber hardness (Shore A) ±5	80	70	50	70
Burst test across 2" (50 mm) dia. opening, psi (bar)	Not recommended for use as diaphragm material	Not recommended for use as diaphragm material	290 (20) 1/8" – 1 ply	1,000 (7) 1/8" – 1 ply
Number of plies	1/32", 1/16", 3/32": 1 ply 1/8": 2 ply; 3/16": 3 ply 1/4": 4 ply	1/16", 1/8": 1 ply	1/16", 3/32", 1/8": 1 ply 3/16": 2 ply 1/4": 3 ply	1/16", 3/32", 1/8": 1 ply 3/16": 2 ply 1/4": 3 ply
Thickness available	1/32", 1/16", 3/32", 1/8", 3/16", 1/4"	1/16", 1/8"	1/16", 3/32", 1/8", 3/16", 1/4"	1/16", 3/32", 1/8", 3/16", 1/4"
Width available	48"	48"	48"	48"
Finish available	Thru 1/8": Cloth Over 1/8": Smooth	Thru 1/8": Cloth Over 1/8": Smooth	Smooth	Thru 1/8": Cloth Over 1/8": Smooth
Temperature, max.	200°F (95°C)	250°F (120°C)	250°F (120°C)	250°F (120°C)
Internal pressure, max. psig (bar)	250 (17)	250 (17)	NA	NA

† Special insert completely eliminates weepage through insert.

ASTM D2000 Line Callouts

Style	ASTM Line Callout*
19	2AA810A13
7992	2BC520A14B14E014E034F17
8798	3BC715A14E014E034
9200	2BG720EA14E014

* For rubber compound only, not fabric.

WARNING:

Properties/applications shown throughout this brochure are typical. Your specific application should not be undertaken without independent study and evaluation for suitability. For specific application recommendations consult Garlock. Failure to select the proper sealing products could result in property damage and/or serious personal injury.

Performance data published in this brochure has been developed from field testing, customer field reports and/or in-house testing.

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