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.