

Reevecote®

Introduction

Rubberized diaphragms used in critical parts such as fuel pumps, instruments, or Pressure reducing valves must withstand harsh conditions and be of high quality.

In 2002, Trelleborg took over an industrial rubber-coated fabric Fairprene®, which was developed and manufactured by DuPont (USA) with their long experience (from Fairprene, Inc.), and has been supplying this product worldwide with the new name of Reevecote®. Consider Reevecote® for your product!

Material Selection

It's important to select the material that best fits your specification when designing diaphragms for various uses.

The Reevecote® brand offers a wide variety of products combining rubbers such as NBR and Viton with various fabrics including nylon, Dacron®, glass cloth, and Nomex®.

Combination of Fabric and Rubber

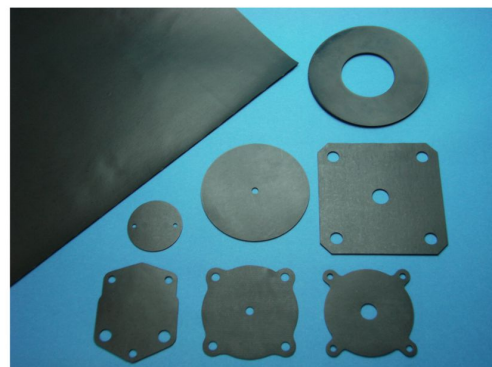
	Nylon	Dacron®	Glass cloth	Nomex®
NBR	○			
Viton		○	○	○

Material Characteristics

	NBR	Viton
Tensile strength	○	○
Elongation	○	○
Impact resilience	△	△
Compression set	⊙	○
Tear strength	○	○
Wear resistance	⊙	⊙
Ozone resistance	△	⊙
Aging resistance	⊙	⊙
Weather resistance	○	⊙
Flame resistance	×	⊙
Flex cracking	○	⊙
Cold resistance	△	△
Insulation	△	△
Gas permeability	○	○
Adhesiveness to metal	⊙	⊙

Common Applications

Fuel pumps, carburetors, distributors, oil pressure switches, heater controls, gas regulators, auto-controlling components, Pressure reducing valves, pneumatic components, bearing seals, various bellows, packing, gaskets, and waterproof sheets



SPECIFICATION

Product Code	Rubber	Fabric	Thickness mm	Width mm	Tensile Strength	Burst Pressure MPa	Operating temperature range °C
					KN/in. (Vertical × horizontal)		
BN-5027	NBR	Nylon	0.15	1040	0.11×0.11	0.52	-54~93
BN-0042	NBR	Nylon	0.20	1470	0.44×0.44	1.21	-54~93
BN-5029	NBR	Nylon	0.25	1420	0.29×0.27	0.93	-54~93
			0.33	1420	0.29×0.27	0.93	-54~93
			0.50	1420	0.29×0.27	0.93	-54~93
BN-0002	NBR	Nylon	0.64	1470	1.11×1.11	3.10	-54~93
			1.27	1470	1.11×1.11	3.10	-54~93
BN-5039	NBR	Nylon	0.64	1470	1.33×1.33	3.45	-54~93
			1.27	1470	1.33×1.33	3.45	-54~93
BN-5049	NBR	Nylon	0.76	1420	0.33×0.33	0.93	-54~93
BN-0083	NBR	Nylon	1.27	1470	1.33×1.33	3.45	-54~93
VD-0001	Viton	Dacron®	0.20	910	0.31×0.27	1.03	-29~150
VG-0001	Viton	Glass cloth	0.25	910	0.27×0.27	1.38	-29~177
VX-0002	Viton	Nomex®	0.64	940	0.44×0.31	2.07	-29~232
VX-0003	Viton	Nomex®	0.81	1270	0.33×0.33	1.10	-29~232
VX-0303	Viton	Nomex®	1.27	965	2.00×2.00	5.51	-29~232

NOTE: The above values are not guaranteed, but the manufacturer's internal standards or target values. Please use as a guide for material selection.



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