Cloth-Inserted Diaphragm

Physical Properties:

Material Composition: Rubber (such as neoprene, EPDM, or nitrile) with fabric reinforcement.

Thickness: Varies based on the application, typically ranging from 1/16" to 1/4".

Tensile Strength: Enhanced by fabric reinforcement.

Elongation: Typically, around 15% to 30%.

Pressure Rating:

Moderate to High Pressure: Suitable for applications with moderate to high pressure.

Temperature Range:

Operating Temperature: Typically, between -40°C to 121°C (-40°F to 250°F).

Short-Term Exposure: May handle brief temperature spikes.

Applications:

Pumps and Valves: Diaphragms for metering pumps, control valves.

Industrial Machinery: Seals in hydraulic and pneumatic systems.

Fluid Handling: Gaskets for pipes and fittings.

Compatibility: Depends on the rubber type(e.g., neoprene, EPDM,) Often resistant to oils, and moderate chemicals

Compatible with: Many oils, water, air, and moderate chemicals.

Not Recommended for: Harsh chemicals and solvents.

Shelf Life and Storage:

Shelf Life: Generally, 5 to 10 years.

Storage Conditions: Cool, dry place away from direct sunlight.

- It's important to note that the specific rubber type and fabric reinforcement can vary between manufacturers and product grades. Always refer to the manufacturer's specifications for precise information on a particular cloth-inserted diaphragm gasket material.