



Diaphragm Direct® Bio-Pharma Diaphragms

Silicone Radial-style Diaphragm w/ Parylene-N coating

Diaphragm Direct® Silicone (Platinum Cured) radial-style diaphragms was developed specifically for critical applications of the Biopharmaceutical Industry. It has been developed and extensively tested at our in-house development laboratory and third-party tested at The BioProcess Institute.

GRADE: DOW Q7-4765

MATERIAL: Platinum-cured Silicone with 0.25% Titanium Dioxide

COATING: Parylene-N

SIZE: ½"–4"

Please consultant factory for availability.

TEMPERATURE RATING:

-51° C to 135° C (-60 ° F to 275 ° F)

REGULATORY COMPLIANCE:

- FDA 21 CFR 177.2600
- USP Class VI, <87>, <88>
- ISO 10993-5, -6, -10, -11
- ASME BPE part SG
- Certified Animal Derived Ingredient Free EMEA /410/01 TFE/BSE
- Fully lot traceable to EN 10204 3.1
- Parylene-N is tested in accordance with ISO 10993 and USP Class VI and is bio-compatible, and bio-stable.

KEY FEATURES INCLUDE:

Improved resistance to steam, WFI and commonly used CIP chemicals, buffers, protein solutions and other products. Platinum cured for optimum cross linking performance and to minimize extractables and leachables. Excellent tensile and tear strength. Enhanced surface finish integrity to assist process purity (ASME BPE compliant).

PARYLENE-N COATING:

Resistant to harsh materials and chemicals including salt, and concentrated acids. Parylene-N provides excellent dry film lubricity to components, is thermally stable, and provides waterproof protection.

