

Diaphragm Direct® Bio-Pharma Diaphragms

EPDM Radial-style Diaphragm w/ Parylene-N coating

Diaphragm Direct® EPDM (Peroxide 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: E7

MATERIAL: Ethylene Propylene Diene Monomer - (Peroxide Cured)

COATING: Parylene-N

SIZE: ½"–4"

Please consultant factory for availability.

TEMPERATURE RATING:

-40 to 110° C Liquid Media
-30 to 150° C Max Steam Sterilization
(max 180 minutes per cycle)

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. Peroxide cured for optimum cross linking performance and to minimize extractables and leachables. 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.

