

Sealmax Style 940D – Diffusion Type PTFE Envelope



Applications:

- **Sealmax Style 940D** - Diffusion barrier envelope is a multi-layer PTFE envelope gasket designed to prevent chemical diffusion, permeation and wicking into the gasket core.
- The construction incorporates an additional high-density PTFE diffusion barrier layer, offering superior sealing integrity compared to standard PTFE envelope gasket.
- **Style 940D** is widely use in applications like highly aggressive and permeating chemical media, vacuum and pressure services, toxic, hazardous or high-purity processes.
- It is used in industries like Chemical, Pharma, Petrochemical, Fertilizer, Food & Beverages

Properties:

- Excellent chemical resistance.
- Very low permeability
- Prevents core contamination and media attack
- Non-stick, low friction surface
- Long service life.
- Food Grade

TECHNICAL SPECIFICATIONS

SR.NO.	PROPERTIES	UNIT	TEST METHOD REFERENCE	SPECIFIED VALUES
1.	Density	gm/cm3	ASTM D-792	2.15 – 2.30
2.	Tensile Strength (Min.)	Mpa	ASTMD-638	20 – 30
3.	Hardness	-	Shore D	60
4.	pH range	-	-	0- 14
5.	Maintenance factor (m)	-	-	2.5
6.	Seating stress (y)	-	-	1800 psi

GENERAL SPECIFICATIONS

SR.NO.	PARAMETERS	SPECIFICATIONS	REMARKS
1.	Material	100% Virgin PTFE	-
2.	Colour	White	-
3.	Operating Temperature	Max 260° C	-
4.	Pressure range	Upto 60 bar	Depends on insert and service conditions
5.	Size range	DN 15 to DN 600 and above	Customized sizes on request
6.	Available forms	Slit Type, Mill Type and Fused Type	-
7.	Available thickness	0.5mm to 6.0mm	Customized on requests
8.	Available inserts	CNAF, Rubber, Graphite, SS corrugated	Customized insert on request

All technical data and recommendations are given based on our experience. However, we assume no liability whatsoever. All data and values must be verified by the user, as the effectiveness of a seal can only be accurately judged by evaluating all data parameters directly on site. The stated parameters of all packing styles are approximate and may be influenced if occurring together. We suggest you to contact us in case of any special applications.



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