

## Sealmax Style 940M – Mill Type PTFE Envelope

### Applications:



- Sealmax Style 940M – Mill Type PTFE Envelope Gasket is manufactured by wrapping a PTFE sheet around a soft compressible filler, forming a continuous folded (milled) PTFE envelope without slits.
- This construction ensures complete PTFE coverage on all sealing surfaces, providing superior chemical resistance while the insert offers resilience and sealing strength
- Style 940M envelopes are preferred where higher integrity, better creep resistance and longer service life are required compared to slit type designs.
- Style 940M is suitable for Chemical Processing Equipment, Pharmaceutical and biotech plants, Food & beverage processing units, petrochemical and refinery services, Glass-lined reactors and fragile flange joints, corrosive fluid pipelines and vessels etc.

### Properties:

- Excellent chemical resistance.
- Continuous PTFE envelope (no slit exposure).
- Better creep resistance than slit type.
- Excellent sealing at low to moderate bolt loads
- Non – toxic and non-contaminating
- Suitable for glass-lined and brittle flanges
- Smooth, low-friction sealing surface

#### TECHNICAL SPECIFICATIONS

SR.NO.	PROPERTIES	UNIT	TEST METHOD REFERENCE	SPECIFIED VALUES
1.	Density	gm/cm <sup>3</sup>	ASTM D-792	2.15 – 2.20
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)	-	-	1500 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(Fused Type is available for bigger sizes)
6.	Available thickness	0.5mm to 6.0mm	Customized on requests
7.	Available inserts	CNAF, Rubber, Graphite	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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