

ASNA PERFREZ® PXC

Ultra-pure seal solution for harsh semiconductor applications

Technical Data Sheet (Nov 2020)

Designed for Ultra-pure solution and Chemical Compatibility

PERFREZ® PXC is a specialized line of Perfluoroelastomers for semiconductor equipment wet manufacturing processes. PXC also offers excellent resistance to a wide variety of chemistries including acids/bases. PXC has a maximum service temperature of 260°C.



Features and Benefits

- Broad chemical resistance
- Excellent physical properties
- Exceptional heat resistance
- High temperature capability

Semiconductor Applications

- ✓ Wafer Preparation
- ✓ Wet Etching
- ✓ Chemical Vapor Depositions
- ✓ Stripping
- ✓ Copper Plating
- ✓ Diffusion & RTP
- ✓ Door and Lid Seals
- ✓ Valve Seals
- ✓ KF Fitting Seals
- ✓ Container Seals
- ✓ Drain Seals

Chemical Applications:

- ✓ Organic/Inorganic Acids
- ✓ Bases
- ✓ Amines
- ✓ Steam or Hot Water
- ✓ Ketones
- ✓ Aldehydes

Typical Physical Properties¹

Color ²	Black
Hardness, (Shore A)	75 (+/-5)
Elongation at break ³ , %	193
Tensile Strength, psi(MPa)	2428(16.74)
Modulus @100%, psi(MPa)	653(4.50)
Specific Gravity (g/cm ³)	2.02
Min. Operating Temperature, °C(°F)	-10(14)
Max. Operating Temperature, °C(°F)	260(500)

¹Not to be used for specification purposes

²Color variations may be observed in actual product. They are considered to be cosmetic and inherent as a result of curing process, not indicative for foreign matter and is not expected to have an adverse effect on the performance of the part in service.

³Even though elongation property is indicated, most perfluoroelastomer materials should not be stretched for optimal performance.

⁴ASTM D395-03, Method B

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