

# ASNA PERFREZ® PXC-Ultra

Ultra-pure FFKM for semiconductor wet applications

Technical Data Sheet (Dec 2022)

## Designed for low metal content & Chemical Compatibility

PERFREZ® PXC-Ultra is a high purity upgrade of PXC product series specialized for semiconductor equipment with stringent requirement on contamination. As effective as the PXC family, it also offers excellent resistance to a wide variety of chemistries including acids/bases which makes it a great alternative for wet applications, while keeping the same temperature endurance.

## Features and Benefits

- Outstanding chemical resistance
- High purity with low metallic content
- Exceptional heat resistance
- Low outgassing

## Semiconductor Applications

- ✓ Photolithography
- ✓ Wet Etching
- ✓ Foreline
- ✓ Chemical Vapor Depositions
- ✓ Resist stripping
- ✓ Diffusion & RTP
- ✓ Door and Lid Seals
- ✓ Valve Seals
- ✓ KF Fitting Seals

## Chemical Applications:

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



## Typical Physical Properties<sup>1</sup>

Color <sup>2</sup>	Black
Hardness, (Shore A)	75 (+/-5)
Elongation at break <sup>3</sup> , %	180
Tensile Strength, psi(MPa)	2087 (14.39)
Modulus @100%, psi(MPa)	646 (4.46)
Specific Gravity (g/cm <sup>3</sup> )	2.01
Min. Operating Temperature, °C(°F)	-10 (14)
Max. Operating Temperature, °C(°F)	260 (500)

<sup>1</sup>Not to be used for specification purposes

<sup>2</sup>Color 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.

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

<sup>4</sup>ASTM D395-03, Method B

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