

ASNA PERFREZ® 6001

High Temperature Perfluoroelastomer for Wet and Dry Applications

Technical Data Sheet (Apr 2019)

Specialized for handling high temperature and chemicals

PERFREZ® 6001 is specifically developed to handle the most demanding environments in the manufacturing of microchips and the handling of most acids and solvents. It is also suitable for high temperature applications.

Features and Benefits

- High temperature capability
- Excellent chemical compatibility
- Low extractables
- Low out-gassing at high temperature
- Low compression set

Semiconductor Applications

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

Chemical Applications:

- ✓ Acids
- ✓ Bases
- ✓ Alcohols
- ✓ Aldehydes
- ✓ Sodium Hydroxide



Typical Physical Properties¹

Color ²	Black
Hardness, (Shore A)	80 (+/-5)
Elongation at break ³ , %	170
Tensile Strength, psi(MPa)	1674(11.54)
Modulus @100%, psi(MPa)	1014(6.99)
Specific Gravity (g/cm ³)	2.203
Min. Operating Temperature, °C(°F)	-30(-22)
Max. Operating Temperature, °C(°F)	300(572)
Compression Set ⁴ @300°C, %	31.7

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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