

# ASNA PERFREZ® 6011

All-purpose material

Technical Data Sheet (Apr 2019)

## Peroxide cured for broad chemical resistance

PERFREZ® 6011 is developed to withstand a broad range of processes. It offers a low compression set that is suitable for both wet and dry environments. PERFREZ® 6011 is produced in a dedicated clean room for strong physical properties as well as relative cleanliness. This all-purpose material can be an upgrade to most of the standard, less suitable sealing elements not acceptable for the stringent requirements of the semiconductor, solar and other 'clean' industries.



## Features and Benefits

- Broad chemical resistance
- Exceptional mechanical properties
- Low metal contaminations
- Low compression set

## Semiconductor Applications

- ✓ Wafer Preparation
- ✓ Wet Etching
- ✓ 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 Properties<sup>1</sup>

Color <sup>2</sup>	Black
Hardness, (Shore A)	80 (+/-5)
Elongation at break <sup>3</sup> , %	133
Tensile Strength, psi(MPa)	2004(13.82)
Modulus @100%, psi(MPa)	1523(10.5)
Specific Gravity (g/cm <sup>3</sup> )	1.987
Min. Operating Temperature, °C(°F)	-30(-22)
Max. Operating Temperature, °C(°F)	280(536)
Compression Set <sup>4</sup> @200°C, %	13.9

<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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