

## Technical Datasheet

PERFREZ® 9021A offers outstanding resistance to high temperature, steam, and a broad range of chemicals. This compound is resistant to extrusion under high-pressure environments due to its high hardness and high modulus. PERFREZ® 9021A is ideal for use in oil & gas field, where resistance to explosive decompression is essential.



### Recommended Applications

- Oil and gas equipments
- Chemical processing applications
- Diesel

### Features and Benefits

- Broad chemical resistance (acid, base, amines)
- High hardness & modulus
- Steam resistance
- Low compression set
- Explosive decompression resistance
- NORSOK M710
- Nace TM0297

## Typical Physical Properties

<b>Color</b>	Black	
<b>PROPERTIES</b>	<b>ASTM</b>	<b>VALUE</b>
Hardness, (Shore A)	D2240	90 -/+5
Tensile Strength psi, (MPa)	D412	3229(22.27)
Elongation, %	D412	104
Modulus at 100% psi, (MPa)	D412	1720(11.86)
Compression Set, 22 Hrs@ 200°C	D395, Method B	18.8
Minimum Operating Temperature	-10°C	
Maximum Operating Temperature	290°C	
Density, (Mg/m <sup>3</sup> )	1.96 (CNS 5341, Method A)	

**\*\*EVEN THOUGH ELONGATION PROPERTY IS INDICATED, MOST PERFLUROELASTOMER MATERIALS SHOULD NOT BE STRETCHED FOR OPTIMAL PERFORMANCE.**

*Note: color variations may be observed in parts. Variations 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.*