

PERFREZ® 9021A

Performance Excellence

PERFREZ® 9021A . 2019.

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

Color	Black	
PROPERTIES	ASTM	VALUE
Hardness, (Shore A)	D2240	90 -/+5
Tensile Strength psi, (MPa), min	D412	3229(22.27)
Elongation, %, min	D412	104
Modulus at 100% psi, (MPa), min	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 ³)	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.