

# PERFREZ® 9091D

Performance Excellence

PERFREZ® 9091D . 2019.

## Technical Datasheet

PERFREZ® 9091D is specially designed for equipments that operate under low temperature environment, such as deepwater drilling applications. It also exhibits an excellent resistance to a broad range of chemicals, which can be used for a variety of applications across chemical processing industry.



### Recommended Applications

- Chemical processing applications
- Valves and pumps under low temperature environment
- Deepwater drilling equipment

### Features and Benefits

- Broad chemical resistance (acid, base, amines)
- Low temperature resistance
- High sealing efficiency

## Typical Physical Properties

<b>Color</b>	Black	
<b>PROPERTIES</b>	<b>ASTM</b>	<b>VALUE</b>
Hardness, (Shore A)	D2240	75 -/+5
Tensile Strength psi, (MPa)	D1414	2038(14.06)
Elongation, %	D1414	232
Modulus at 100% psi, (MPa)	D1414	581(4.01)
Compression Set, 70 Hrs@ 200°C	D395, Method B	34.8
Minimum Operating Temperature	-40°C	
Maximum Operating Temperature	230°C	
Specific Gravity (g/cm <sup>3</sup> )	1.96	

**\*\*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.*