

## Technical Datasheet

PERFREZ® 9082E is designed for the medical industry specifically where USP compliance is mandatory. It is also in compliance with FDA which can be used in contact with food. With its thermal stability and chemical resistance, this compound is well-suited to withstand Cleans-In-Place (CIP) procedures and Water For Injection (WFI) systems. PERFREZ® 9082E is used in diverse applications within the pharmaceutical and biotechnology industries as it is capable to handle active pharmaceutical ingredients (API's) and aggressive cleansing agents.



### Recommended Applications

- Pharmaceutical
- Bio-chemical
- Bio-analytical
- Food processing applications

### Features and Benefits

- USP class VI grade
- FDA compliance
- Broad chemical resistance
- Steam resistance

## Typical Physical Properties

<b>Color</b>	White	
<b>PROPERTIES</b>	<b>ASTM</b>	<b>VALUE</b>
Hardness, (Shore A)	D2240	70 +/-5
Tensile Strength psi, (MPa), min	D1414	2268(15.64)
Elongation, %, min	D1414	161
Modulus at 100% psi, (MPa), min	D1414	1324(9.13)
Compression Set, 70 Hrs@ 200°C	D395, Method B	22.4
Minimum Operating Temperature	-10°C	
Maximum Operating Temperature	260°C	

**\*\*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.*