

Technical Datasheet

Perfluoroelastomer for Plasma Applications

PERFREZ[®] 6015 is specially developed to handle aggressive oxygen and fluorine based plasma while generating minimum particles.

PERFREZ[®] 6015 offers excellent performance in high-density plasma. This compound is available in o-rings and infinite custom shapes.

Features and Benefits

- Superior physical properties
- Excellent oxygen and fluorine compatibility
- Low particulation
- Low out-gassing



Semiconductor Applications

- Deposition: CVD, APCVD,
- HDPCVD, RPCVD, SACVD
- Plasma Etch: oxide and metal
- Ashing
- Ion Implant
- PVD, evaporation



Applications:

- Chamber Lid Seals
- Door Seals
- End Point Windows
- Gas Inlet Seals
- Isolator Valve Seals
- KF-Fittings
- Slit Valves
- Window Seals
- Gate Valve

Typical Physical Properties

Color	Off-White	
PROPERTIES	ASTM	VALUE
Hardness, (Shore A)	D2240	80 +/-5
Tensile Strength psi, (MPa), min	D1414	2,480 (17.20)
Elongation, %, min	D1414	142
Modulus at 100% psi, (MPa), min	D1414	1, 150 (7.97)
Compression Set, 72 Hrs@200°C (392°F)	D395, Method B	29
Minimum Operating Temperature	-20°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.



Applied Seals North America, Inc.

39899 Balentine Dr., Suite 368, Newark, CA94560, U.S.A

Toll Free: 1 (888) 551 ASNA (2762)

Direct: 1 (510) 623 8307

Fax: 1 (510) 623 8723

Email: asna.info@appliedsealsglobal.com

Press Inquires: asna.media@appliedsealsglobal.com

<http://www.appliedsealsglobal.com>