

CHEMRAZ[®] 655 High Temperature Perfluoroelastomer

SEALING SOLUTIONS

Chemraz[®] 655 is Greene, Tweed's high-temperature off-white perfluoroelastomer. Specifically developed for wafer processes with operating temperatures up to 315°C (600°F), Chemraz 655 provides excellent chemical resistance with minimal particle generation. Available in a wide range of geometries and cross sections, this material offers the diversity required for a variety of dynamic or static dry processing applications.

FEATURES & BENEFITS

- Service temperatures up to 315°C (600°F)
- Excellent balance of physical properties
- Minimal contamination
- · Withstands a variety of aggressive chemicals
- Unlimited design flexibility

APPLICATIONS

- Door seals
- Slit valves
- Window seals
- Isolator valve seals
- Lid seals

- Gas Inlet seals
- KF fitting seals
- Chamber seals
- Valve seals
- Endpoint windows

RECOMMENDED PROCESS APPLICATIONS

- Rapid thermal processing (RTP)
- Oxidation (LPCVD)/Diffusion
- Deposition (CVD, PECVD, RPCVD, HDPCVD, APCVD, SACVD, DCVD)
- Dry plasma etch
- · Remote plasma cleans
- Dry ashing
- Implant anneal

Statements and recommendations in this publication are based on our experience and knowledge of typical applications of this product and shall not constitute a guarantee of performance nor modify or alter our standard warranty applicable to such products.

Prior to actual use it is recommended compatibility tests be run to determine suitability in a specific application. This is critical where failure could result in injury or damage. A regular program of inspection and replacement should be implemented. Greene, Tweed technical personnel are available to help with a recommendation.



Typical Value
Off-White
Perfluoroelastomer
2.11
82
1870 (12893)
190
600 (4137)
1040 (7170)
15
45
-20°C to 315°C (-4°F to 600°F)

* Note: Unless otherwise indicated, all tests are performed on AS 568A (-214) O-rings.

Contact Us

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<u>Our Distributor</u>

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