

Chemraz® 513 Extensis® Seals

Unlimited Size Flexibility

The Chemraz® 513 Extensis® seal offers flexibility to meet the demanding requirements of FPD (Flat Panel Display) production. Greene Tweed's unique manufacturing technology ensures that no matter how large FPD substrates grow in the future, the Extensis® seal technology will continue to provide proven, reliable solutions.

Available as a formed rectangular seal custom designed to match the slit valve door, the Extensis® seal easily supports large (Generation 5 and above) FPD slit valve door seals and is especially suited to PECVD (Plasma Enhanced Chemical Vapor Deposition) processes that employ in situ NF_3 plasma cleaning. The rectangular form reduces stress caused by bending around corners, optimizing compression and fill and increasing seal integrity and service life.

Features and Benefits

- Unique manufacturing technology enables seals of limitless length to meet specific customer requirements
- Typical service life of 12 months for PECVD process tools reduces costs by at least 50 percent and reduces equipment down time
- Rectangular form matched to the gland design reduces corner stress and enhances seal integrity by providing uniform sealing across the entire seal surface
- Unique dovetail cross-section design optimizes performance by reducing seal roll and facilitates installation
- Chemraz® 513 is an industry-proven, plasma-resistant compound widely used in CVD tools employing in situ NF_3 plasma cleaning



Applications

- FPD slit valve doors
- Etch and PECVD processes
- Generation 5 and above

Note: Color variations and dark spots that might be observed in Chemraz® parts are considered cosmetic and an inherent result of the polymer curing process. They are not foreign matter and not anticipated to adversely affect the performance of the part in service. Please contact a Greene Tweed applications engineer for additional information.

Contact Us

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