

# Chemraz® G-Series

## The Perfect Combination of Performance, Reliability, and Value for Semiconductor Applications

Chemraz® G-Series compounds offer best-in-class performance & value for sealing solutions. Engineered for the demanding conditions of both static and dynamic applications in semiconductor manufacturing, they provide unmatched performance and reliability for legacy 200mm and 300mm dry plasma-enhanced semiconductor processes.



### Why Choose Chemraz® G-Series?

#### Unparalleled Performance and Plasma Resistance

Chemraz® G-Series is meticulously engineered to withstand aggressive deposition and dry plasma processes. Its proven reliability across a variety of static and dynamic sealing locations ensures optimal performance in the most demanding environments.

#### Versatility Across Applications

Our product is suitable for critical components such as door seals, chamber seals, and dynamic o-rings. Whether you need robust sealing solutions for static or dynamic applications, Chemraz® G-Series delivers exceptional results.

#### Competitive Cost

Chemraz® G-Series is priced competitively below leading competitors in its class, offering cost-effective solutions without compromising on quality. It's an ideal choice for businesses looking to get premium performance at a remarkable value.

#### High-Capacity and Quick Turnaround

We understand the importance of meeting procurement deadlines. Our robust supply chain and streamlined processes help you stay on schedule and maintain operational efficiency with short lead times for delivery.

### Stand Out with Greene Tweed Advantage

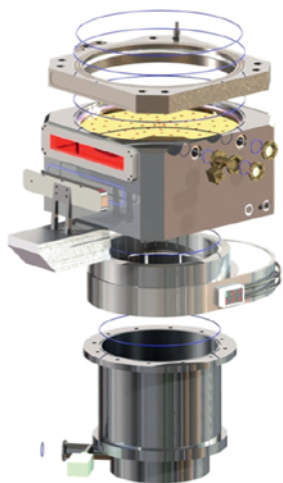
- **Superior Material Composition:** Chemraz® G-Series are built to resist harsh conditions and provide long-lasting performance.
- **Innovative Design:** Our advanced engineering approach ensure that Chemraz® G-Series meets the highest industry standards.
- **Customer Satisfaction:** We prioritize our customers' needs and strive to deliver products that exceed expectations.

## Why Greene Tweed

Greene Tweed designs and manufactures components, materials, and solutions that perform in the harshest environments.

We engineer for conditions where equipment failure is not an option. Our products are made for extreme temperatures, pressure, chemical corrosion, and mechanical wear.

## Explore Our G-Series Compounds



	<b>G13</b> Robust Performer	<b>G20</b> High-Temperature Champion	<b>G38</b> Ultra-Low Contaminant
	A robust white FFKM that performs well in a wide array of Semiconductor processes up to 220°C (428°F). Recommended for all challenging static and dynamic sealing locations.	A best-in-class high temp, "clean" seal material with excellent fluorine plasma resistance for aggressive deposition processes and remote fluorine plasma cleans in etch. For continuous use up to 300°C.	A white FFKM that provides ultra-low contamination in a broad range of plasma-enhanced etch chemistries at process temperatures up to 225°C (437°F).
<b>KEY BENEFITS</b>	<ul style="list-style-type: none"> <li>• Ideal for both static and dynamic sealing applications.</li> <li>• Exceptional performance in diverse semiconductor processes, low sticking characteristics</li> <li>• High thermal stability, reliable up to 220°C (428°F).</li> </ul>	<ul style="list-style-type: none"> <li>• Optimal for aggressive deposition processes.</li> <li>• High purity due to organic nature of material, and higher plasma resistance – Etch, Deposition, Cleans, Ash environments and more.</li> <li>• Reliable up to 300°C (572°F).</li> </ul>	<ul style="list-style-type: none"> <li>• Ultra-low contamination for cleaner processes.</li> <li>• Excellent physical properties and unlimited design flexibility provide versatility across various plasma-enhanced etch chemistries.</li> <li>• Withstands a variety of aggressive chemicals, reliable up to 225°C (437°F).</li> </ul>
<b>APPLICATIONS</b>	<ul style="list-style-type: none"> <li>• Door seals</li> <li>• Lid seals</li> <li>• Slit valves</li> <li>• Gas inlet seals</li> <li>• Window seals</li> <li>• KF fitting seals</li> </ul>	<ul style="list-style-type: none"> <li>• Chamber seals</li> <li>• E-seals</li> <li>• Pendulum valves</li> <li>• Static o-rings</li> <li>• RPU valves</li> <li>• Forelines</li> </ul>	<ul style="list-style-type: none"> <li>• Bonded gate seals</li> <li>• Chamber seals</li> </ul>

## TAKE THE NEXT STEP

Enhance your semiconductor processes with **Chemraz® G-Series'** reliable performance, excellent value, and unparalleled quality.