

Chemraz 657

Perfluoroelastomer

Greene, Tweed & Co.

Message:

Specifically developed to meet the demands of aggressive dry plasma systems, Chemraz® 657 perfluoroelastomer's unique formulation provides enhanced plasma resistance and minimal contamination resulting in less downtime and higher wafer processing yields. Recommended primarily for both static and dynamic oxide etch wafer processing applications, Chemraz 657 remains stable at service temperatures up to 280°C (536°F) with excursions to 300°C (572°F).

General Information			
Features	High Purity		
	Low Hardness		
	Soft		
Uses	Seals		
	Valves/Valve Parts		
Appearance	Translucent		
Forms	Pellets		
Physical	Nominal Value	Unit	
Specific Gravity	2.03	g/cm ³	
Hardness	Nominal Value	Unit	
Durometer Hardness (Shore A)	85		
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
50% Strain	4.45	MPa	
100% Strain	9.55	MPa	
Tensile Strength (Break)	15.2	MPa	ASTM D412
Tensile Elongation (Break)	150	%	ASTM D412
Compression Set (96°C, 70 hr)	29	%	ASTM D395
Thermal	Nominal Value	Unit	
Service Temperature	-40 to 280	°C	

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