

## Greene Tweed CHEMRAZ® SD585 Perfluoroelastomer

Category : Polymer , Thermoset , Fluoropolymer, TS , Thermoset Fluoroelastomer , Rubber or Thermoset Elastomer (TSE)

### Material Notes:

Chemraz® SD 585, a cream-colored perfluoroelastomer, offers the broadest chemical resistance of any elastomer, combining the resilience and sealing force of an elastomer with chemical resistance similar to PTFE. Because it offers good low-temperature sealing properties of a perfluoroelastomer, Chemraz is a good seal component for sub ambient mechanical seal applications. Chemraz SD585 is recommended for strong oxidizing media and hot aqueous solutions. Chemraz SD585's many features make it well suited for critical applications and difficult seal replacement locations where maximizing MTBR (meant time between replacement) is paramount. With its cream color, Chemraz SD585 meets the needs of applications requiring non-black elastomers. Chemraz components are available for use as O-rings, gaskets, sanitary seals and many other custom shapes. This product is FDA and USP Class VI compliant making it an ideal product for elastomeric applications requiring regulatory compliance. Applications: Mechanical seals, Valves, Pumps, Mixers, Fermenters, Biomedical equipment, Couplings. Information provided by Greene Tweed.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Greene-Tweed-CHEMRAZ-SD585-Perfluoroelastomer.php](http://www.lookpolymers.com/polymer_Greene-Tweed-CHEMRAZ-SD585-Perfluoroelastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.99 g/cc	1.99 g/cc	ASTM D297

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	ASTM D2240
Tensile Strength at Break	12.58 MPa	1825 psi	ASTM D1414
Tensile Strength, Yield	4.31 MPa	625 psi	@50% Elongation; ASTM D1414
	8.55 MPa	1240 psi	@100% Elongation; ASTM D1414
Elongation at Break	165 %	165 %	ASTM D1414
Compression Set	35 %	35 %	70 hours @ 400°F (204°C) @ 25% deflection; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	220 °C	428 °F	
Minimum Service Temperature, Air	-30.0 °C	-22.0 °F	

Descriptive Properties	Value	Comments
Color	Cream	

Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China