

Greene Tweed CHEMRAZ® SD625 Perfluoroelastomer

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

Material Notes:

Chemraz® SD625, a black-colored perfluoroelastomer, offers the broadest chemical resistance of any elastomer, combining the resilience and sealing force of an elastomer with chemical resistance and low extractables similar to PTFE. Not only is it FDA and USP Class VI compliant, but Chemraz SD625 also passes USP Physicochemical Testing, USP , and has been tested to USP elastomeric closures, USP , making it the most comprehensively tested perfluoroelastomer on the market. Critical applications and difficult seal replacement locations where maximizing MTBR (mean time between replacement) is paramount will benefit greatly from Chemraz SD 625. With its outstanding performance in high temperatures, Chemraz SD625 delivers excellent performance in hot water and steam and in CIP/SIP processes. Chemraz SD625 is also well suited for dynamic applications. Chemraz components are available for use as O-rings, gaskets, sanitary seals and many other custom shapes. 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-SD625-Perfluoroelastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.00 g/cc	2.00 g/cc	ASTM D297

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	ASTM D2240
Tensile Strength at Break	22.1 MPa	3200 psi	ASTM D1414
Tensile Strength, Yield	4.48 MPa	650 psi	@50% Elongation; ASTM D1414
	13.1 MPa	1900 psi	@100% Elongation; ASTM D1414
Elongation at Break	135 %	135 %	ASTM D1414
Compression Set	23 %	23 %	70 hours @ 400Å°F (204Å°C) @ 25% deflection; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	260 Å°C	500 Å°F	
Minimum Service Temperature, Air	-20.0 Å°C	-4.00 Å°F	

Descriptive Properties	Value	Comments
Color	Black	

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