

Chemraz 504

Polytetrafluoroethylene

Greene, Tweed & Co.

Message:

Specifically formulated for low-pressure applications requiring a low sealing force, Chemraz® 504 is recommended for a wide variety of medical and biotechnology device applications requiring long-term seal reliability. Chemraz 504 offers excellent performance in dynamic and static analytical equipment applications where slight lubrication is preferred to lower friction. Chemraz 504 is suitable for service temperatures ranging from 0°F to 400°F (-18°C to 204°C).

FEATURES & BEN EEITS

Excellent performance under low pressure and low sealing force

Lubricated compound to minimize friction

Dependable balance of physical properties

Good chemical resistance

APPLICATIONS

Analytical Instrumentation—Gaskets and O-rings

Solenoid Valves—Plunger seals, gaskets and O-rings

General Information			
Features	Good Chemical Resistance		
	Low Compression Set		
	Low Temperature Resistant		
Uses	Gaskets		
	Housings		
	Plumbing Parts		
	Seals		
	Valves/Valve Parts		
Appearance	Black		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.92	g/cm ³	ASTM D297
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	65		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D1414
50% Strain	1.10	MPa	
100% Strain	3.31	MPa	
Tensile Strength (Break)	6.55	MPa	ASTM D1414
Tensile Elongation (Break)	150	%	ASTM D1414
Compression Set ¹ (204°C, 70 hr)	30	%	ASTM D395
Thermal	Nominal Value	Unit	
Service Temperature	-18 to 204	°C	
NOTE			

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