

CHEMRAZ® 505

SEALING SOLUTIONS

Greene, Tweed's Chemraz® 505 provides a broader range of chemical resistance than any other compound on the market. With a temperature range of -22°F to 446°F (-30°C to 230°C), Chemraz 505 is the elastomer of choice for more than 90 percent of the most demanding services found in the chemical process and refining industries.

Chemraz 505 is available for use as O-rings, gaskets and many other custom shapes. Because of its versatility, Chemraz 505 is often used as a standard compound and can be found in a variety of applications including acids, caustics, aldehydes, esters, ethers, aromatics, hot water, steam, amines, methanol, ketones, TBA and MTBE.

FEATURES & BENEFITS

- Broad chemical compatibility for use with a wide range of harsh solutions
- Lower compression set provides better ability to handle temperature and pressure variations, shaft misalignment and O-ring shrinkage
- Low temperature capabilities (-22°F/-30°C)

APPLICATIONS

- Mechanical seals
- Valves
- Pump housings
- Sampling/metering equipment
- Reactors
- Bearing isolators
- Mixers
- Controls/instrumentation
- Compressors
- Sprayers/dispensers

Contact Us

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TYPICAL PROPERTIES*

Physical Properties	ASTM Method	Typical Value
Color		Black
Specific Gravity	D297	1.93
Hardness, Shore A, Points	D2240	75
Compression Set, 70 hours @ 400°F (204°C) @ 25% Deflection, %	D395	25
Elongation @ Break, %	D1414	140
Tensile Modulus, psi (MPa)		
Modulus @ 50% Elongation	D1414	450 (3.1)
Modulus @ 100% Elongation	D1414	1150 (7.9)
Tensile Strength @ Break, psi (MPa)	D1414	1750 (12.1)

* Note: Unless otherwise indicated, all tests are performed on (-214) O-rings.

Statements and recommendations in this publication are based on our experience and knowledge of typical applications of this product and shall not constitute a guarantee of performance nor modify or alter of our standard warranty that shall be applicable to such products.