



RS-9005 Material Specification Sheet

9005 (CR - Neoprene) imparts better flame resistance, weather ability, and ozone resistance experienced with diene rubbers. The swelling resistance of the 9005 to mineral, vegetable, and animal oils is also better than the non polar diene-based rubbers. It has good resistance to paraffinic and naphthenic oils of high molecular weight.

ASTM /Test Requirements

Hardness (ASTM D2240)	55 – 65 Shore A
Tensile (ASTM D412)	3200 psi min.
Elongation (ASTM D412)	550% min.
Tear (Die C)	320 Lb/Lin. In.
Service Temperature	220°F max.
Specific Gravity	1.39

Available Gauges: 1/8", 3/16", 1/4", 3/8", 1/2"

Adhesive System:

1 st Coat on Metal	Chemlok 205
2 nd Coat on Metal	Chemlok 220
3 rd Coat on Metal	RS-CR184
4 th Coat on Metal or Rubber	RS-CR184

Resistance to:

Abrasion, Sliding	Good
Abrasion, Impingement	Good
Salt Solutions	Good
Acid (Dilute)	Good
Acid (Concentrated)	Good
Animal & Vegetable Oils	Good
Oil & Gasoline	Good

Cure for up to 1/4" Thickness:

Pressure Cure (Autoclave)	2 Hrs @ 250°F
Atmospheric Cure	1 st -6 hrs. from Room Temp to 160° 2 nd – 24 hrs. @ 180°F

Repairs: Make repairs with original lining material

For Additional Material Recommendations
Please Contact Rubber Source at
1-877-660-4440

Atmospheric Aging

Atmospheric Aging	Fair
Low Temperature Flexibility	Good
Compression Set	Good
Permeability	Fair

Typical Uses

- Piping & Chutes
- Thickeners & Clarifiers
- Storage Vessels