



## ***RS-8534 Material Specification Sheet***

The RS-8534 (High Property Neoprene) imparts better flame resistance, weather ability, and ozone resistance experienced with diene rubbers. The swelling resistance of the RS-8534 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. As well has a proprietary bonding layer for added adhesion

### **ASTM /Test Requirements**

Hardness (ASTM D2240)	73 Shore A Nominal
Tensile (ASTM D412)	2800 psi min.
Elongation (ASTM D412)	500% min.
Tear (Die C)	320 Lb/Lin. In.
Service Temperature	220°F max.
Specific Gravity	1.39

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

### **Adhesive System:**

1 <sup>st</sup> Coat on Metal	Chemlok 289
2 <sup>nd</sup> Coat on Metal	Chemlok 290
3 <sup>rd</sup> Coat on Metal	Chemlok 286
4 <sup>th</sup> Coat on Metal or Rubber	Chemlok 286

### **Resistance to:**

Acid (Dilute)	Excellent
Salt Solutions	Excellent
Acid (Dilute)	Excellent
Animal & Vegetable Oils	Good
Acid (Concentrated)	Good
Oil & Gasoline	Good
Hydrocarbon Solvents	Fair to Good
Oxygenated Solvents	Fair to Good

### **Cure for up to 1/4" Thickness:**

Pressure Cure (Autoclave)	2 Hrs @ 250°F
Internal Steam	1 Hr Rise to 250°F Hold 250°F 2 Hrs.
Atmospheric	24 Hrs @ 212°F

**Repairs:** Make repairs with original lining material

### **Atmospheric Aging**

Permeability	Excellent
Moisture Resistance	Excellent
Compression Set	Good
Low Temperature Flexibility	Good

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

### **Typical Uses**

- Piping
- Storage Vessels
- Thickeners / Clarifiers
- Chutes