



## ***RS 5510 Material Specification Sheet***

The RS-5510 (Black Chlorobutyl) Protective Rubber Lining allows the same workability as other butyl linings but exhibits stronger physical characteristics such as chemical and abrasion resistance. This compound exhibits a high level of heat and heat aging resistance to 225°F.

### **ASTM /Test Requirements**

Hardness (ASTM D2240)	55 – 65 Shore A
Tensile (ASTM D412)	1200 psi min.
Elongation (ASTM D412)	550% min.
Tear (Die C)	165 Lb/Lin. In.
Service Temperature	230°F max.
Specific Gravity	1.13

**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 (Concentrated)	Excellent
Acid (Dilute)	Excellent
Salt Solutions	Excellent
Oxygenated Solvents	Good
Animal & Vegetable Oils	Good
Oil & Gasoline	Poor
Oil & Gasoline	Poor

### **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

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

### **Atmospheric Aging**

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

### **Typical Uses**

- Piping
- Storage Vessels
- Thickeners / Clarifiers
- Chutes