



## ***RS-0011 Material Specification Sheet***

RS-0011 / Black Natural Rubber has excellent physical properties, like tensile strength, abrasion resistance, and elongation. Designed for slurry piping in the mining industry. RS-0011 is flexible and will expand and contract with thermal variations of the metal substrate.

### **ASTM /Test Requirements**

Hardness (ASTM D2240)	35 – 45 Shore A
Tensile (ASTM D412)	3200 psi min.
Elongation (ASTM D412)	650% min.
Water Absorption	3% Max
Service Temperature	180°F max.
Specific Gravity	.98

**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:**

Abrasion, Sliding	Excellent
Abrasion, Impingement	Excellent
Acid (Dilute)	Good
Salt Solutions	Good to Excellent
Oxygenated Solvents	Good
Acid (Concentrated)	Fair
Animal & Vegetable Oils	Poor to Good
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	Excellent
Moisture Resistance	Excellent
Compression Set	Good
Permeability	Fair

### **Typical Uses**

- Piping
- Storage Vessels
- Thickeners / Clarifiers
- Chutes