



RS 3801 Material Specification Sheet

RS-3801 / Red Natural Rubber has excellent physical properties, like tensile strength, abrasion resistance, and elongation. As well has good resistance to most inorganic chemicals, with the exception of strong oxidizing agents. RS-3801 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)	4000 psi min.
Elongation (ASTM D412)	650% min.
Tear (Die C)	200 Lb/Lin. In.
Service Temperature	180°F max.
Specific Gravity	.98

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

Adhesive System:

1 st Coat on Metal	C-193
2 nd Coat on Metal	C-194
3 rd Coat on Metal	C-195
4 th Coat on Metal or Rubber	C-195

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)	1 Hr @ 275°F
Internal Steam	1 Hr Rise to 250°F Hold 250°F 2 Hrs.
Atmospheric	24 Hrs @ 212°F

Atmospheric Aging

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

Repairs: Make repairs with original lining material

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

Typical Uses

- Piping
- Storage Vessels
- Thickeners / Clarifiers
- Chutes