



RS-0545 Material Specification Sheet

The RS-0545 (Lead Cure Neoprene) -With the lead cure package and through higher levels of filler loading improves the levels of cross linking so it gives exceptional resistance to oils, abrasion, and swelling in aqueous solutions / slurries. The lead content also imparts better flame resistance, weather ability, and ozone resistance experienced than other CR rubbers. RS-0545 has good resistance to paraffinic and naphthenic oils of high molecular weight, but swell extensively in aromatic oils of low molecular weight.

ASTM /Test Requirements

Hardness (ASTM D2240)	55 – 65 Shore A
Tensile (ASTM D412)	3200 psi min.
Elongation (ASTM D412)	800% min.
Tear (Die C)	350 Lb/Lin. In.
Service Temperature	220°F max.
Specific Gravity	1.44
Abrasion Resistance (Din)	104 mm ³

Resistance to:

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

Atmospheric Aging

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

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

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

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

Typical Uses

- Piping
- Storage Vessels
- Thickeners / Clarifiers
- Chutes