



Rubber Source Inc.

Products Engineered To Exceed Requirements

RS-0545 Material Specification Sheet

A black lead cure neoprene lining with oil resistance and exceptional resistance to abrasion and swelling in aqueous solutions.

The RS-0545 Lead Cure Neoprene – The lead content imparts better flame resistance, weather ability and ozone resistance than a typical CR rubber formulation. The permeation resistance of the mineral, vegetable, and animal oils is also better than all other CR linings. RS-0545 has good resistance to paraffinic and naphthenic oils of higher molecular weight but swell extensively in aromatic oils of low molecular weight. With the lead curing package and the addition of higher levels of filler loading we have improved the crosslink giving it exceptional resistance to oils, abrasion, and swelling in aqueous solutions / slurries.

ASTM /Test Requirements

Hardness (ASTM D2240)	55 - 65 Shore A
Tensile (ASTM D412)	2500 psi min.
Elongation (ASTM D412)	550% min.
Tear (Die C)	193 Lb/Lin. In.
Service Temperature	220°F max.
Specific Gravity	1.44
Modulus @ 100%	373

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

Seams: Open-skive seam construction

Cure for up to 1/4" Thickness:

Pressure Cure:	2 Hrs @ 250°F

Resistance to:

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

Repairs: Make repairs with original lining material

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

Atmospheric Aging

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

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