



RS B55 Material Specification Sheet

RS-B55 is made from bromobutyl polymer. It combines the properties of good heat resistance, and very good resistance to corrosive acids and alkalis, while still retaining a moderate abrasion resistance. It has excellent resistance to ozone and outdoor weathering effects, and suitable for use with a range of chemicals including oxygenated solvents and hydraulic fluid. Suitable for most applications where high acid, chemical or temperature resistance is required. A rubber polymer blend with up to 70% bromobutyl and abrasion resistant rubber makes it suitable for many applications. Also shows low permeability to compressed gases. Supplied with a special backing which does not require buffing prior to bonding.

ASTM /Test Requirements

Hardness (ASTM D2240)	50 – 60 Shore A
Tensile (ASTM D412)	1250 psi min.
Elongation (ASTM D412)	350% min.
Tear (Die C)	165 Lb/Lin. In.
Service Temperature	250°F max.
Specific Gravity	1.20

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

Adhesive System:

1 st Coat on Metal	Chemlok 205
2 nd Coat on Metal	RS-2000
3 rd Coat on Metal	RS-2000

Resistance to:

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

Atmospheric Aging

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

Repairs: Make repairs with original lining material

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