

**Permabond® RS-5610 Black Bromobutyl Rubber** Protective Rubber Lining allows the same workability as other butyl linings but exhibits stronger physical characteristics than the other butyl counterparts. The RS-5610 comes with an optional proprietary bonding layer for added adhesion. The RubberSource bonding layer also will give the same service condition resistance as the face stock. The 5610 can handle constant temperatures of 260°F (127°C) with temperature spikes to 310 °F (154°C).

## PHYSICAL PROPERTIES

ASTM TEST	VALUE
Hardness (ASTM D2240)	60 +/- 5 Shore A
Tensile (ASTM D412)	2200 psi (min.)
Elongation (ASTM D412)	450% (min.)
Adhesion (ASTM D429)	25LBS (min.)
Tear (Die C)	165 Lbs/Lin. In.
Service Temperature	260°F max. (127°C)
Specific Gravity	1.20

## RESISTANCE TO

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

## ATMOSPHERIC AGING

MATERIAL	VALUE
Low Temperature Flexibility	Good
Moisture Resistance	Good
Compression Set	Good
Permeability	Good

## STANDARD ROLL SIZES

GAUGE	WIDTH	LENGTH	AREA
1/8" (3mm)	4' (1.22m)	131.25' (40m)	525ft <sup>2</sup> (48.77m <sup>2</sup> )
3/16" (4mm)	4' (1.22m)	91.75' (27.96m)	367ft <sup>2</sup> (34.05m <sup>2</sup> )
1/4" (6mm)	4' (1.22m)	62.25' (18.97m)	249ft <sup>2</sup> (21.13m <sup>2</sup> )
3/8" (9mm)	4' (1.22m)	49.25' (15.01m)	197ft <sup>2</sup> (18.30m <sup>2</sup> )
1/2" (12mm)	4' (1.22m)	32.75' (9.98m)	131ft <sup>2</sup> (12.17m <sup>2</sup> )

Disclaimer: The above guidelines are based on general industry practices and not applicable to all installations. Application methods should comply with RubberSource application instructions. The data values use is an approximate value and may vary based on individual application methodology and local atmospheric conditions.

## CURE METHOD UP TO 1/4" (6mm)

METHOD	TEMPERATURE & PRESSURE
Pressure Cure (Autoclave)	2 Hr @ 250°F (121.1°C)
Internal Pressure	1 Hr Rise to 250°F (121°C) Hold @ 250°F (121°C) for 5 Hrs
Atmospheric	24 Hrs @ 212°F (100°C)

## ADHESIVE SYSTEM

COAT	ADHESIVE
1st Coat (Primer)	Chemlok (289 w/BL / 205 w/o BL)
2nd Coat (Intermediate)	Chemlok (290 w/BL / 234 w/o BL)
3rd Coat (Tack)	Chemlok 286 w/BL
4th Coat (Tack) w/BL	Chemlok 286 w/BL
RS-BB420 (Butyl Tack)	Skives only with BL
RS-BB420 (Butyl Tack)	For All 3rd and 4th w/o BL

## TYPICAL APPLICATIONS

- Piping
- Storage Vessels
- Thickeners/Clarifiers
- Chutes
- Flotation Cells

## APPLICATION NOTES

1. Make repairs with original lining and follow the specified cure methods.
2. Use Closed Skive for joint construction.
3. Curing times listed are guidelines only.
4. Use of heating table recommended prior to use.
5. Shelf Life: Stored below 50°F (10°C) = 180 days.
6. Contact your account representative for specific technical material and lining methodology recommendation.