

Permabond® RS-5980 Black Pure Chlorobutyl Rubber is a “pure” black Chlorobutyl lining with excellent chemical & heat resistance up to 225°F (107°C). Designed for optimal service in concentrated Sodium Hypochlorite, NaOCl (Bleach) applications. Comes with a NR Tie-gum layer for added adhesion.

PHYSICAL PROPERTIES

ASTM TEST	VALUE
Hardness (ASTM D2240)	50 +/- 5 Shore A
Tensile (ASTM D412)	1300 psi (min.)
Elongation (ASTM D412)	550% (min.)
Adhesion (ASTM D429)	25LBS (min.)
Tear (Die C)	165 Lbs/Lin. In.
Service Temperature	225°F max. (107°C)
Specific Gravity	1.12

RESISTANCE TO

MATERIAL	VALUE
Abrasion, Sliding	Good
Abrasion, Impingement	Good
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 ² (48.77m ²)
3/16" (4mm)	4' (1.22m)	91.75' (27.96m)	367ft ² (34.05m ²)
1/4" (6mm)	4' (1.22m)	62.25' (18.97m)	249ft ² (23.13m ²)
3/8" (9mm)	4' (1.22m)	49.25' (15.01m)	197ft ² (18.30m ²)
1/2" (12mm)	4' (1.22m)	32.75' (9.98m)	131ft ² (12.17m ²)

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 @ 260°F (127°C)
Internal Pressure	1 Hr Rise to 260°F (127°C) Hold @ 260°F (127°C) for 4 Hrs
Atmospheric	Not recommended

ADHESIVE SYSTEM

COAT	ADHESIVE
1st Coat (Primer)	Chemlok 289
2nd Coat (Intermediate)	Chemlok 290
3rd Coat (Tack)	Chemlok 286
4th Coat (Tack)	Chemlok 286

TYPICAL APPLICATIONS

- Storage Vessels
- Rail Cars
- Over the Road transportation
- Bleach Storage and transportation

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. Shelf Life: Stored below 50°F (10°C) = 180 days.
5. Pre-warm rubber on warm table approximately to 120°F (49°C) before use.
6. Contact your account representative for specific technical material and lining methodology recommendation.