

**Permabond® RS-7696 Black SBR Rubber** A SBR compound that has great molding characteristics with good balance of physical properties for exceptionally high abrasion resistance, ozone and weather protection.

## PHYSICAL PROPERTIES

ASTM TEST	VALUE
Hardness (ASTM D2240)	65 +/- 5 Shore A
Tensile (ASTM D412)	2000 psi (min.)
Elongation (ASTM D412)	450% (min.)
Adhesion (ASTM D429)	25 LBS (min.)
Tear (Die C)	325 Lbs/Lin. In.
Service Temperature	180°F max. (82.22°C)
Specific Gravity	1.15

## RESISTANCE TO

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

## ATMOSPHERIC AGING

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

## 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> (23.13m <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 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 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

- Molding
- General Mining Equipment
- Hoses

## APPLICATION NOTES

1. Make repairs with original lining and follow the specified cure methods.
2. Use Open Skive for joint construction.
3. Curing times listed are guidelines only.
4. Storage: Store in cool and dry area.
5. Shelf Life: Stored below 50°F (10°C) = 180 days.
6. Contact your account representative for specific technical material and lining methodology recommendation.