



Uniroyal Permobond® 5980 Material Specification Sheet

A “pure” black chlorobutyl lining with excellent chemical & heat resistance up to 220 F. Comes with a NR cushion layer for added adhesion.

ASTM /Test Requirements

Hardness (ASTM D2240)	45 – 55 Shore A
Tensile (ASTM D412)	1300 psi min.
Elongation (ASTM D412)	500% min.
Tear (Die C)	165 Lb/Lin. In.
Service Temperature	220°F max.
Specific Gravity	1.12

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

Adhesive System:

1 st Coat on Metal	Chemlok 289
2 nd Coat on Metal	Chemlok 290
3 rd Coat on Metal	Chemlok 286
4 th Coat on Metal or Rubber	Chemlok 286

Resistance to:

Acid (Concentrated)	Excellent
Acid (Dilute)	Excellent
Salt Solutions	Excellent
Oxygenated Solvents	Good
Animal & Vegetable Oils	Good
Oil & Gasoline	Poor
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Cure for up to 1/4” Thickness:

Pressure Cure (Autoclave)	2 Hrs @ 250°F
Internal Steam	1 Hr Rise to 250°F Hold 250°F 2 Hrs.
Atmospheric	24 Hrs @ 212°F

Repairs: Make repairs with original lining material

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

Atmospheric Aging

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

Typical Uses:

- Storage Vessels
- Rail Cars