



## **Uniroyal Permobond™ 5506 Material Specification Sheet**

Uniroyal Permobond 5506 (Black Natural) has excellent physical properties, like tensile strength, abrasion resistance, and elongation. As well has good resistance to most inorganic chemicals, along with resistance to weather (ozone) and water. 5506 is flexible and will expand and contract with thermal variations of the metal substrate.

### **ASTM /Test Requirements**

Hardness (ASTM D2240)	55 – 65 Shore A
Tensile (ASTM D412)	3800 psi min.
Elongation (ASTM D412)	500% min.
Tear (Die C)	250 Lb/Lin. In.
Service Temperature	180°F max.
Specific Gravity	1.1

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

### **Adhesive System:**

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

### **Resistance to:**

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

### **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	Excellent
Moisture Resistance	Excellent
Compression Set	Good
Permeability	Fair