

## Uniroyal Permabond 5144 Technical

### Specification Sheet

Uniroyal Permabond 5144 (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 and water. 5144 is flexible and will expand and contract with thermal variations of the metal substrate.

	<b>ASTM / Test Requirements</b>	<b>Data</b>
<b>I.</b>	<b>Hardness, Shore A (ASTM D2240)</b>	50 (+/-50)
	<b>Tensile, PSI (ASTM D412)</b>	3000 psi min.
	<b>Elongation, % (ASTM D412)</b>	550% min.
	<b>Tear (Die C), PPLI</b>	250
	<b>Maximum service temperature</b>	180° F
	<b>Specific Gravity</b>	1.1
<b>II.</b>	<b>Resistance to:</b>	
	<b>Acid (Dilute)</b>	G
	<b>Acid (Concentrated)</b>	F
	<b>Moisture</b>	E
	<b>Salt solutions</b>	G to E
	<b>Hydrocarbon solvents</b>	P
	<b>Oxygenated solvents</b>	G
	<b>Oil &amp; gasoline</b>	P
<b>Animal &amp; vegetable oils</b>	P to G	
<b>III.</b>	<b>Atmospheric aging:</b>	F
	<b>Low temperature flexibility</b>	E
	<b>Compression set</b>	G
	<b>Permeability</b>	F
	<b>Abrasion Resistance</b>	E
<b>Rating key:</b>	<b>E = Excellent G = Good F = Fair P= Poor</b>	