

## PIB Technical Data

Specific Gravity:	1.6
Tensile Strength:	2.5Nmm-2
Elongation:	300%
Temperature Range:	-34°C to +72°C
Vapour Permeability:	5g/0.001in/m <sup>2</sup> /day at 38°C and 90% RH (0.1g/m <sup>2</sup> /24 hrs)

## Plysolene PIB Approvals

- Approved by the Department of Environment PSA Standard Specification (M&E) No 3.
- Plysolene PIB does not conduct electricity
- Meets Class 2 Spread of Flame BSS 467 Part 7: 1971
- Fumes given off when burning are not considered toxic.

## Chemical Resistance

### **Plysolene PIB is generally unaffected by:**

Hydrochloric Acid (dil & conc), Acetone, Sulphuric Acid (dil & conc), Acetic Acid, Aqueous Caustic Lime, Methanol and Ethanol, Aqueous Hydrosulphite, Formic Acid (dil & conc), Methyl Acetate, Copper Sulphate solutions, Sodium Chloride, Potassium Permanganate, Ethylene Glycol, Hydrogen Peroxide, Chromic Acid, Glycerine, Ethyl Acetate, Sulphonic Acid, Phenol, Chlorosulphuric Acid, Cyclohexone, Sodium Hydroxide (dil & conc), Ammonia, Naphthalene Sulphuric Acid, Solvents E13/E14.

### **Plysolene PIB is semi-resistant to:**

Concentrated Nitric Acid, Nitration Acid

### **Plysolene PIB is NOT resistant to:**

Chlorine & Bromine (liquid, gaseous or aqueous)

### **Plysolene PIB swells in:**

Ether, Butyl Acetate, Petrol and Diesel, Animal and Vegetable Fats and Oils (eg. Lard, Butter, Coconut Fat, Linseed, Olive or Whale Oil).

### **Plysolene PIB is soluble in the following:**

Benzene, Xylene, Paraffin Wax, Carbon Bisulphide, Toluene, Cyclohexane, Liquid Paraffin, Chlorobenzene, Benzene, Mineral Oil, Methylene Chloride, Carbon Tetrachloride.