

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/m²/day at 38°C and 90% RH (0.1g/m²/24 hrs)

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 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.