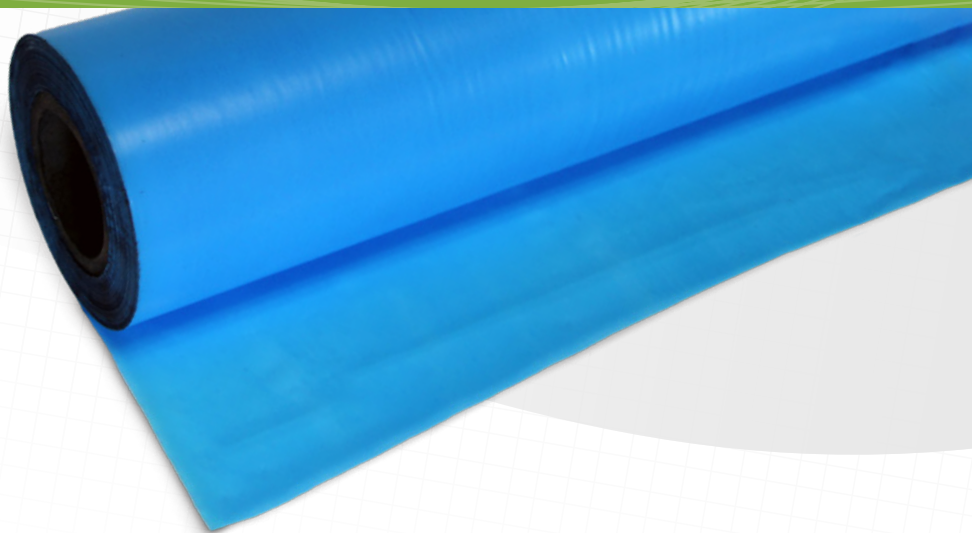


POLYFILM MOISTURE BARRIER

PFMB



PRODUCT DESCRIPTION

Polyfilm Moisture Barrier (PFMB) is a three layer co-extruded film of Polyfilm and Polyethylene engineered to make up a total of 3 mils.

PFMB is factory laminated to the inside of various metal jacketing products using a process of pressure and heat technology in order to help prevent pitting, crevice, and galvanic corrosion to the interior surface of the metal jacketing and the pipe, tank, or equipment being insulated.

PRODUCT APPLICATION

In accordance with ASTM C1729 & C1767, Ideal Products PFMB is a layer of film typically applied to the inner side of aluminum or stainless steel jacketing to inhibit jacket corrosion by interfering with the formation of a galvanic cell between the dissimilar metals of the pipe and jacket or by preventing crevice corrosion. In relation to metal jacketing, it is a three-layer film used as a moisture retarder on metal jacketing consisting of one layer ethylene/methacrylic acid copolymer, and two layers of polyethylene.

PFMB is commonly used in many commercial, industrial, petrochem, and oil/gas applications of mechanical insulation including that used in hot, cold, pipe, tanks, and equipment.

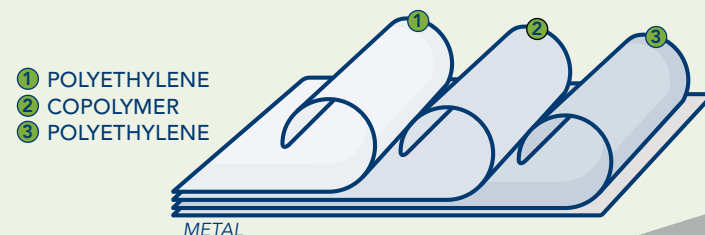
PHYSICAL PROPERTIES

DESCRIPTION	ASTM TEST METHOD	VALUE	ASTM C1729 REQUIREMENT
TOTAL FILM THICKNESS, D6988, mils (µm)	D6988	3 (76)	3 (76)
WATER VAPOR TRANSMISSION RATE (WVTR) (g/100 in ² - day)	F1249	< 0.1	< 0.1
PINHOLES NUMBER PER 50ft ²	C1729	0	< 5
FLAME SPREAD/SMOKE DEVELOPMENT	E84	< 25/50	≤ 25/50
TENSILE STRENGTH LENGTHWAYS/ TRANSVERSE (PSI)	D882	4900/ 5900	—
MAXIMUM ELONGATION % LENGTHWAYS/TRANSVERSE	D882	350/400	—

PHYSICAL CHARACTERISTICS

POLYETHYLENE MELTING POINT	270°F
POLYETHYLENE AUTO IGNITION POINT	650°F
POLYFILM MELTING POINT	212°F
POLYFILM DECOMPOSITION TEMP	617°F

MATERIAL COMPOSITION



Safer. Smarter. Faster.

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