



PRODUCT TECHNICAL DATA SHEET

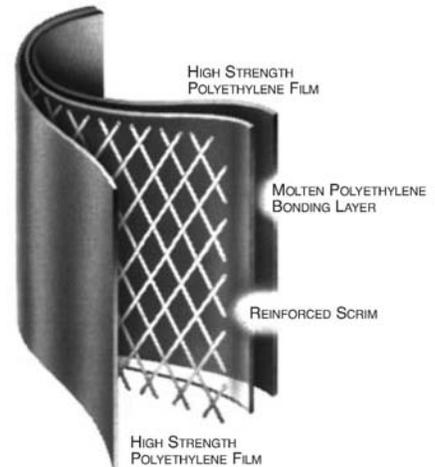
BIO-ROOTSTOP FR

BIO-002

PRODUCT DESCRIPTION

Description Bio-Rootstop FR consists of 2 sheets of high-strength fire-retardant virgin film laminated together with a third layer of molten polyethylene. A heavy-duty scrim reinforcement placed between these piles greatly enhances tear resistance and increases service life.

Use Used in applications that require a fire retardant material, and demands high puncture and tear strengths.



PRODUCT PROPERTIES

Appearance Translucent, cream color

Thickness 10 mil (0.25 mm)

Weight 6.2 oz/yd² (210 g/m²)

1" Tensile Strength 50 lbf. (222 N)

Elongation at Break 600%

Grab Tensile 78 lbf (347 N)

Trapezoid Tear 52 lbf (231 N)

Construction Extrusion laminated with scrim reinforcement

Hydrostatic Resistance 74 psi (510 kPa)

Mullen Burst 169 psi (1165 kPa)

Maximum Use Temperature 180°F (82°C)

Minimum Use Temperature -70°F (-57°C)

WVTR 0.013 g/100 inch²/day
(0.20 g/m²/day)

Perm Rating 0.030 US perms (0.020 metric perms)

Burning Characteristics Flame Spread Index: 5
Smoke Developed Value: 75

---- Meets or exceeds NFPA's 701 test, method 2 (Large Scale Requirements) in addition to CPAI Section 6 and 7.

---- To be overlapped 12" (305mm) and bonded with Bio-Tape S

