



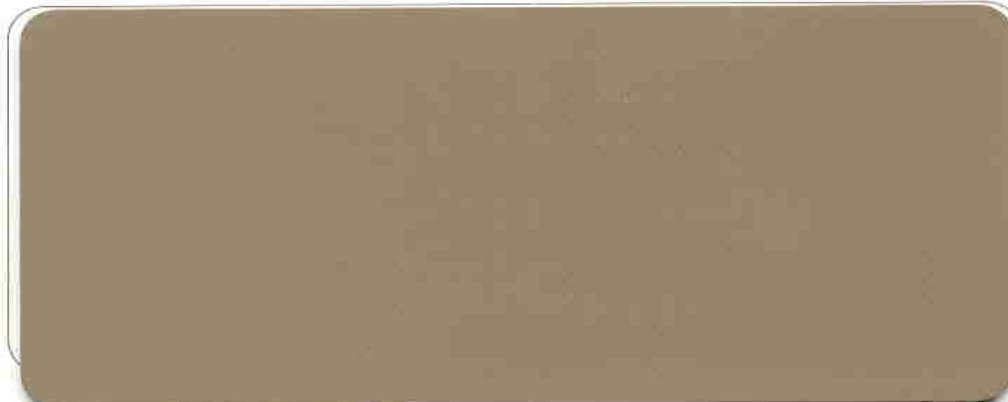
SAFEGUARDS

Pollution Prevention Products

“Safeguarding Your Environment”
www.4safeguards.com

1932 PTF	Standard	Metric
Base Fabric Type Base Fabric Weight (nominal) Coating Type	Nylon 13.0 oz/yd ² Polyester based polyurethane	Nylon 441 g/m ² Polyester based polyurethane
Finished Coated Weight ASTM D751	32.0 oz/yd ² ±2 oz/yd ²	1085 g/m ² ±70 g/m ²
Thickness ASTM D751	35 mils nominal	0.86 mm nominal
Grab Tensile ASTM D751	800/750 lb _f /in	3560/3338 N
Strip Tensile ASTM D751 Procedure B	650/550 lb _f /in	579/490 daN/5 cm
Adhesion ASTM D751 Dielectric Weld	50 lb _f /in	45 daN/5 cm
Hydrostatic Resistance ASTM D751 Procedure A	800 psi	5.52 MPa
Bursting Strength ASTM D751 Ball Tip	1200 lb _f	5340 N

(More on physical properties on back.)



GEOMEMBRANE SPECIFICATIONS



MILLENNIUM ENTERPRISES, INC.

P.O. Box 683186 Marietta, GA 30068

Phone: (877) 816-9716 Fax: (770) 926-9949

E-mail: info@millent.com

Website: www.4spillcontainment.com

PolyChem 5 Specifications



SAFEGUARDS

Pollution Prevention Products

“Safeguarding Your Environment”
www.4safeguards.com

	Standard	Metric
Low Temperature ASTM D2136 1/8" mandrel, 4 hr	Pass -50°F	Pass -46°C
Dead Load MIL-T-52983E (modified) Para 4.5.2.19	2 in seam, 4 hr, 1 in strip 250 lb _f @ 70 °F 125 lb _f @ 160°F	5 cm seam, 4 hr, 2.5 cm strip 1112 N @ 21°C 556 N @ 71°C
Abrasion Resistance ASTM D3389 H22 wheel/1000g load	10,000 cycles (min) before fabric exposure	10,000 cycles (min) before fabric exposure
Permeability ASTM D814 Fuel B	0.05 fl. oz/ft ² /24 hr	19.1 mL/m ² /24 hr



MILLENNIUM ENTERPRISES, INC.

P.O. Box 683186 Marietta, GA 30068

Phone: (877) 816-9716 Fax: (770) 926-9949

E-mail: info@millent.com

Website: www.4spillcontainment.com

PolyChem 5 Specifications