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Applications

- Wastewater pond liners and spill berms in arctic climates
- Oil drilling pit liners on the North Slope of Alaska and Northern Canada

Cold crack temperatures from -60F to -67F

8218 & 8228(Oil Resistant) Low Temperature Use Geomembranes

Property	Test Method	8218 LTA	8228 ORLTA
Base Fabric Type Base Fabric Weight	ASTM D 751	Polyester 3.0 oz/yd ² (102 g/m ²)	Polyester 3.0 oz/yd ² nominal (102 g/m ² nominal)
Thickness	ASTM D 751	N/A	0.030 in. 0.76 mm.
Weight	ASTM D 751	18.0 oz/yd ² , +2/-1 oz/yd ² (610 g/m ² , +70/-35 g/m ²)	28.0 oz/yd ² , ±2 oz/yd ² (950 g/m ² , +70 g/m ²)
Tear Strength	ASTM D 751 Tongue Tear	100/100 lb. _f (445/445 N)	75/75 lb. _f (334/334 N min.)
Breaking Yield Strength	ASTM D 751 Grab Tensile	230/200 lb. _f (1,024/890 N min.)	230/200 lb. min. (1,024/890 N min.)
Breaking Yield Strength	ASTM D 751 Strip Tensile	200/140 lb. _f (178/125 daN/5 cm)	200/140 lb. _f (178/125 daN/5 cm)
Low Temperature Resistance	ASTM D 2136 4hrs-1/8in Mandrel	Pass @ -67° F (Pass @ -55 C)	Pass @ -60° F (Pass @ -51 C)
Hydrostatic Resistance	ASTM D 751 Method A	200 psi min. (1.38 MPa min.)	300 psi min. (2.07 MPa min.)
Bursting Strength	ASTM D751 Ball Tip	N/A	150 lb.f 668 N
Adhesion- Heat Welded Seam	ASTM D 751 Dielectric Weld	10 lb. _f /in. (17.5 daN/5 cm)	10 lb.f/in. (9 daN/5 cm)
Flame Resistance	FTMS 191A	Sample not consumed within 2 minutes	N/A
Dead Load Seam Strength	ASTM D 751 4-Hour Test	N/A	Pass 70 lb. _f @ 70° F (Pass 445 N @ 21° C) Pass 30 lb. _f @ 140° F (Pass 134 N @ 60° C)
Chemical Resistance	ASTM D 471	N/A	Crude Oil: <5% wt. loss Diesel Fuel: <5% wt.loss