



The Liner Company

# SOLUTIONS

ENVIRONMENTAL PROTECTION, INC.

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## High Strength Scrim Reinforced Polyethylene (Typical Values)

### TYPICAL APPLICATIONS:

Containment Ponds

Landfill Caps

Mining Tailing Ponds

Waste Lagoon

Oilfield

Fracking

High Strength Scrim Reinforced Polyethylene Material Properties					
STYLE	ASTM	30 Smooth	45 Smooth	36 Textured	45 Textured
Thickness		30 mil	45 mil	35 mil	43 mil
Weight	D751	126 lbf/msf 615 g/m <sup>2</sup>	213 lbf/msf 923 g/m <sup>2</sup>	177 lbf/msf 762 g/m <sup>2</sup>	218 lbf/msf 947 g/m <sup>2</sup>
Tensile Elongation at Break % (Film)	D7004	30%	30%	30%	30%
Tensile Elongation at Break%(Scrim)	D7003	MD 32 TD 32	MD 32 TD 32	MD 32 TD 32	MD 32 TD 32
Tongue Tear Strength	D5884	115 lbf 311 N	135lb 345 N	115 lbf 356 N	135 lbf 445 N
Grab Tensile (Scrim Break)	D7004	MD 260 lb TD 245 lb	MD 260 lb TD 245 lb	MD 310 lb TD 285 lb	MD 315 lb TD 300 lb
Grab Tensile at Break	D7004	280 lbf / 979 N	350 lbf / 1557 N	310 lbf 1068 N	350lbf 1223 N
High Pressure OIT (HPOIT)	D5885	2400 minutes	2400 minutes	2400 minutes	2400 minutes
Puncture Resistance	D4833	100 lbf 356 N	125 lbf 556N	110 lbf 489 N	125 lbf 480 N
Max/Min Use Temp		180°F -70°F	180°F -70°F	180°F -70°F	180°F -70°F

*Preserving water resources for future generations*