

GPS Diamond Scrim 30, 36, 45 mil

Heavy Duty LLDPE Liner

This product meets GRI GM 25 Specifications

Product Descrip-

GPS Diamond Scrim is composed of two heavy sheets of impermeable, high strength LLDPE extruded on both sides of a high tensile strength scrim-reinforcing layer. This composite membrane has an excellent combination of flexibility and tensile strength. Its optional gray upper surface reduces heat buildup compared to a standard black material and is less reflective than a white liner in bright environments. The opaque black underside of the liner prevents sunlight penetration and UV transmission. Raw materials are produced 142" in width to minimize the seams required.

EPA Regulations enacted in May 2015 require the use of geomembrane liners and caps for the disposal of coal ash. GPS geomembranes meet or exceed GRI GM13 and GM17 standards and are available in large rolls to expedite deployment. We also offer interim covers and lightweight rain-shed covers, fabricated to any size.

An optional textured surface improves traction and increases friction for improved slope stability and onsite safety.

Applications

- ✓ Reserve Pits
- ✓ Coal Ash
- ✓ Environmental Caps
- ✓ Frac Pits
- ✓ Under Rig Liners
- ✓ Retention Ponds
- ✓ Fresh Water Pits
- ✓ Flowback Pits
- ✓ Secondary Containment
- ✓ Aboveground Storage Tanks



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Manufactured In:



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PROPERTIES	TEST METHOD	FREQUENCY	MINIMUM AVERAGE VALUES		
			H30	H36	H45
THICKNESS	ASTM D5199	PER ROLL			
NOMINAL (MILS)			30	36	45
MIN. AVE. (MILS)			27	32	40
WEIGHT	ASTM D5261	PER ROLL			
NOMINAL (LB/1000, FT ²)			140	168	210
MIN. AVE. (LB/1000, FT ²)			125	151	189
GRAB TENSILE	ASTM D7004	30,000 L B			
STRENGTH (LB), MIN. AVE. (EACH DIRECTION)			300	310	310
ELONGATION (%), MIN. AVE. (EACH DIRECTION)			25	25	25
TONGUE TEAR (LB), MIN. AVE.	ASTM D588 4 (EACH DIRECTION)	30,000 LB	130	130	130
INDEX PUNCTURE (LB), MIN. AVE.	ASTM D4833	30,000 LB	85	103	105
PLY ADHESION (LB), MIN. AVE. ⁽¹⁾	ASTM D6636	35,000 LB	20	25	25
OXIDATIVE INDUCTION TIME (OIT) ⁽²⁾ (A) STANDARD OIT OR (B) HIGH PRESSURE OIT	ASTM D3895 ASTM D5885	FORMULATION	>100 >1000	>100 >1000	>100 >1000
STANDARD ROLL DIMENSIONS					
ROLL LENGTH ⁽³⁾ , FT			11.83	11.83	11.83
ROLL LENGTH ⁽³⁾ , FT			1500	1230	1000
ROLL AREA, FT ⁽³⁾			17,745	14,551	11,830

⁽¹⁾Alternatively, an acceptable ply adhesion is to have a film tearing bond occur within the sheet material.

⁽²⁾The Manufacturer has the option to select either one of the OIT methods listed to evaluate the antioxidant effectiveness in the geomembrane.

⁽³⁾Roll widths and lengths have a tolerance of +/- 1%

*Custom material thicknesses also available

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6020 Progressive Avenue, STE 300, Vista , CA 92154

Toll Free: 866-597-9298 760-597-9298

Fax: 760-597-9574

Email: sales@globalplasticsheeting.com

www.globalplasticsheeting.com