

# E Series E30BS

Enhanced Grip Surface

## Product Description

E-Series E30BS is a multi-layer, metallocene and linear low density polyethylene geomembrane with an anti-skid surface on both sides. Fine N110 carbon black and high performance stabilizers provide long-term protection from thermal oxidation and ultraviolet degradation. A combination of premium linear polyethylenes provide exceptional toughness, multi-axial elongation and impact resistance.

## Product Use

E30BS is used in lining and cover applications requiring good outdoor weatherability, toughness and puncture resistance. A lightly textured surface provides enhanced grip for ease of installation and worker safety without the \*VELCRO® type adhesion that can make deployment over non-wovens difficult. The product's ability to conform to uneven surfaces and resist puncture through multi-axial elongation allows it to be used in a wide variety of applications.

## Size & Packaging

E30BS is available in various increments up to 30,000 square foot panels. All panels are accordion folded and tightly rolled on a heavy-duty core for ease of handling and time saving installation.



Pond Liner

## Product

## Part #

LLDPE ..... E30BS

## APPLICATIONS

- |                      |                           |
|----------------------|---------------------------|
| Containment Liners   | Remediation Liners        |
| Canal Linings        | Brine Ponds               |
| Oilfield Pit Liners  | Leachate Collection Ponds |
| Decorative Ponds     | Interim Landfill Covers   |
| Fish Hatchery Liners | Outdoor Covers            |
| Farm Ponds           |                           |



\*VELCRO® is a registered trademark of Velcro Industries B.V.

PROPERTIES	TEST METHOD	E30BS			
		Typical Avg	Minimum Avg	Metric Avg	Min Metric Avg
<b>APPEARANCE</b>		Black	Black	Black	Black
<b>THICKNESS, NOMINAL</b>	ASTM D5199	33 mil	30 mil	0.84 mm	0.76 mm
<b>WEIGHT</b>		147 lbs/MSF	140 lbs/MSF	718 g/m <sup>2</sup>	684 g/m <sup>2</sup>
<b>*TENSILE STRENGTH</b> lbf/in. (N/cm)	ASTM D6693	140	120	245	210
<b>*ELONGATION AT FILM BREAK</b>	ASTM D6693	800 %	750 %	800 %	750 %
<b>*TEAR RESISTANCE</b> lbf (N)	ASTM D1004	17	15	76	67
<b>PUNCTURE RESISTANCE</b> lbf (N)	ASTM D4833	66	57	294	254
<b>MULTI-AXIAL TENSION</b>	ASTM D5617	130 %	100 %	130 %	100 %
<b>IMPACT RESISTANCE</b>	ASTM D1709 Method B	3600 g	2600 g	3600 g	2600 g
<b>CARBON BLACK %</b>	ASTM D1603 or ASTM D4218	2.5%	2.0%	2.5%	2.0%
<b>MAXIMUM USE TEMPERATURE</b>		180°F	180°F	82°C	82°C
<b>MINIMUM USE TEMPERATURE</b>		-70°F	-70°F	-57°C	-57°C
<b>*FACTORY SEAM REQUIREMENTS</b>					
<b>BONDED SEAM STRENGTH</b> lbf/in width (N/cm width)	**ASTM D4545 Mod.***	75	65	131	114
<b>BONDED PEEL ADHESION</b> lbf/in width (N/cm width)	**ASTM D4545	50	45	88	79

\*Tests are an average of MD and TD directions.

\*\*Factory Seam Requirements are for internal process testing only and are not intended as minimum requirements for field test data.

\*\*\*Seam testing at 12" per minute. .

E30BS is a multi-layer membrane consisting of metallocene and premium linear low density polyethylene. Fine carbon black and thermal stabilizers provide long-term protection from thermal oxidation and ultraviolet degradation. An enhanced grip surface is added to both sides providing for ease of installation and job site safety. Please note that E30BS is not a textured geomembrane to be used for slope stabilization.

Note: To the best of our knowledge, unless otherwise stated, these are typical property values and are intended as guides only, not as specification limits. Chemical resistance, odor transmission, longevity as well as other performance criteria is not implied or given and actual testing must be performed for applicability in specific applications and/or conditions. GEOCHEM, INC. MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage.