

Product Description

E15DBS is a multi-layer, metallocene linear low density polyethylene geomembrane with an enhanced grip surface on one side. Fine N110 carbon black (black layer) and high performance U.V. stabilizers (gray layer) provide long term protection from thermal oxidation and ultraviolet degradation. Metallocene polyethylene provides exceptional toughness, multi-axial elongation and impact resistance.

Product Use

E15DBS 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. The products 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

E15DBS is available in various increments up to 65,000 square foot panels. All panels are accordion folded and tightly rolled on a heavy-duty core for ease of handling and time saving installation.



Pit Liner

APPLICATIONS

Containment Liners

Pond/Canal Linings

Oilfield Pit Liners

Decorative Ponds

Fire Ponds

Remediation Liners

Brine Ponds

Leachate Collection Ponds

Interim Landfill Covers

Mine Tailing Ponds

PROPERTIES	TEST METHOD	E15DBS	
		IMPERIAL	METRIC
		Average Values	Average Values
APPEARANCE		Gray/Black	Gray/Black
THICKNESS, NOMINAL	ASTM D5199	15 mil	0.38 mm
WEIGHT / AREA		70 lbs/MSF 10 oz/yd ²	340 g/m ²
*TENSILE STRENGTH lbf/in. (N/cm)	ASTM D6693	90 lbf	150 N
*ELONGATION AT BREAK	ASTM D6693	850 %	850 %
*TEAR RESISTANCE	ASTM D1004	8 lbf	36 N
PUNCTURE RESISTANCE	ASTM D4833	40 lbf	178 N
IMPACT RESISTANCE	ASTM D1709	3500 g	3500 g
CARBON BLACK %	ASTM D1603 or ASTM D4218	2.0%	2.0%
MULTI-AXIAL TENSION	ASTM D5617	120%	120%
MAXIMUM USE TEMPERATURE		180°F	82°C
MINIMUM USE TEMPERATURE		-70°F	-57°C

* Test are an average of machine and transverse directions.

E15DBS is a multi-layer membrane consisting of premium metallocene linear low density polyethylene. Carbon black is added to the black layer and UV additives and thermal stabilizers are added to the gray layer to assure outdoor longevity and extended service life. An enhanced grip surface is added to one side for ease of installation and job site safety. E15DBS 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.