HYDRAFLEX™ H30B

LINEAR BLACK POLYETHYLENE

PRODUCT DESCRIPTION

HydraFlex™ H30B is a coextruded geomembrane consisting of outer layers of virgin linear-low density polyethylene and an inner core of virgin and select reprocessed resins. HydraFlex™ H-Series membranes are stabilized with carbon black and antioxidants designed for an economical solution for near to midterm applications. The premium quality LLDPE contained in the H-Series product line offers exceptional value including ease of welding along with high impact and tear resistance.

PRODUCT USE

HydraFlex™ H30B is used in applications requiring an economical geomembrane with excellent durability including high impact strength and tear resistance. HydraFlex™ H30B has excellent flexibility and will conform to a variety of irregular surfaces. HydraFlex™ H-Series geomembranes are commonly used in a variety of remediation and lining applications and general covers, where high performance is required and general specifications may exist.

SIZE & PACKAGING

HydraFlex™ H30B is available in up to 50,000 square foot panels. Pre-fabricated, stepped panels are produced in our quality controlled factory environment; all panels are accordion folded and tightly rolled onto a heavy duty core for ease of handling and time saving installation.



Reservoir Liner

PRODUCT	PART #
HYDRA FLEX™	H30B

APPLICATIONS

- Interim Landfill Covers
- Decorative Ponds
- Outdoor Coverings
- Brine Ponds
- Fire Ponds
- Remediation Liners
- Farm Ponds
- Oil Field Pit Liners

© 2022 VIAFLEX, INC. All rights reserved.

HYDRAFLEX™ H30B

LINEAR BLACK POLYETHYLENE

		HYDRA FLEX™ H30B			
		IMPERIAL		METRIC	
PROPERTIES	TEST METHOD	MINIMUM	TYPICAL	MINIMUM	TYPICAL
Appearance		Black		Black	
Thickness, Average	ASTM D5199	27 Mils	27.56 Mils	0.69 mm	0.70 mm
Weight		139.8 lbs/msf		683 g/m^2	
Tensile Strength at Break	ASTM D6693	102 ppi	152 ppi	179 N/cm	266 N/cm
Tensile Elongation at Break	ASTM D6693	700 %	900 %	700 %	900 %
Tear Resistance	ASTM D1004	15 lbs	18 lbs	67 N	80 N
Puncture Resistance	ASTM D4833	36 lbs	67 lbs	160 N	298 N
Oxidation Induction Time (OIT)	ASTM D3895	50 min	100 min	50 min	100 min
Carbon Black	ASTM D4218	1.6 %	2.4 %	1.6 %	2.4 %
2% Secant Modulus (maximum)	ASTM D5323	60,000 psi Maximum	30,000 psi	414 Mpa Maximum	207 Mpa
Hydraulic Conductivity		2.5 x 10^{-10} cm/sec			
Maximum Static Use Temperature		180° F		82° C	
Minimum Static Use Temperature		-70° F		-57° C	
FACTORY SEAM REQUIREMENTS					
Bonded Seam Strength	ASTM D6392	45 lbf/in width	58 lbf/in width	200 N/cm width	258 N/cm width
Seam Peel Adhesion	ASTM D6392	38 lbf/in width	46 lbf/in width	169 N/cm width	205 N/cm width

HydraFlex™ H30B is a coextruded geomembrane consisting of outer layers of virgin linear-low density polyethylene and an inner core of virgin and select reprocessed resins. HydraFlex™ H-Series membranes are stabilized with carbon black and antioxidants designed for an economical solution for near to midterm applications. The premium quality LLDPE contained in the H-Series product line offers exceptional value including ease of welding along with high impact and tear resistance.

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. VIAFLEX 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. Limited Warranty available at www.viaflex.com

Scan QR Code to download technical data sheets.

VIAFLEX, INC.
821 W Algonquin Street Sioux Falls, SD 57104
Ph: +1 (605) 335-0174 • TF: +1 (800) 635-3456
© 2022 VIAFLEX, INC. All rights reserved.

sales@viaflex.com
www.viaflex.com