

# HYDRALINE™ HD50B TEXTURED

HIGH-DENSITY TEXTURED POLYETHYLENE – 23' LAYFLAT

## PRODUCT DESCRIPTION

HydraLine™ HD50B1 & HD50B2 are co-extruded 1-side or 2-side smooth-edge textured high-density polyethylene (HDPE) geomembranes extruded with U.V. stabilized premium resins to provide exceptional longevity and durability. HydraLine™ HDT-Series features excellent chemical resistance and low-permeability derived from the HDPE properties. The textured surface incorporates increased friction angles to provide higher stability on steep slopes, stabilization for earthen and secondary geosynthetics, and increased resistance for work-site safety..

HydraLine™ HDT-Series requires specialized welding equipment and certified welding technicians to be properly installed. Welding is completed with hot wedge fusion welders on long field seams, and extrusion welders are used on detail work and pipe penetrations.

HydraLine™ HD50B1 & HD50B2 textured geomembranes are available in black as standard and in custom colors with minimum order quantity requirements.

## PRODUCT USE

HydraLine™ HD50B1 & HD50B2 are excellent products for large applications that require increased frictional resistance, U.V. stability, and chemical resistance. HydraLine™ HDT-Series geomembranes are a cost effective choice for large and exposed lining projects. This product is successfully used in landfills, waste water treatment lagoons, heap leach pads, mining applications and many more.

## SIZE & PACKAGING

HydraLine™ HD50B1 & HD50B2 geomembranes are shipped to job sites in large 23' wide layflat master rolls tightly rolled on a heavy-duty core and deployed by on site equipment. Seaming by certified installation technicians occurs in the field by heat fusion welding equipment.



Landfill Cover

## PRODUCT

## PART #

HydraLine™ HD50B1.....HD500BB1

HydraLine™ HD50B2.....HD500BB2

## APPLICATIONS

- Landfill Liner & Caps
- Animal Waste Lagoons
- Golf Course Ponds
- Gas Collection Covers
- Pond & Lake Liners
- Irrigation Reservoirs
- Waste Water Treatment Lagoons
- Mining Tailing & Heap Leach Pads
- Canal Lining

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PROPERTIES	TEST METHOD	HYDRALINE™ HD50B1 & HD50B2	
		IMPERIAL	METRIC
		TEST VALUE	TEST VALUE
APPEARANCE		Black, White, & Custom Colors Available with Minimum Order Quantity	
CORE THICKNESS (NOMINAL)		50 Mils	1.25 mm
ASPERITY HEIGHT (MIN. AVG.)	ASTM D7466	16 Mils	0.40 mm
FORMULATED DENSITY (MIN. AVG.)	ASTM D1505 / ASTM D792	0.940 g/cc	0.940 g/cc
TENSILE PROPERTIES (MIN. AVG.) - YIELD STRENGTH - BREAK STRENGTH - YIELD ELONGATION - BREAK ELONGATION	ASTM D6693 Type IV	105 lb/in. 75 lb/in. 12 % 100 %	18 kN/m 13 kN/m 12 % 100 %
TEAR RESISTANCE (MIN. AVG.)	ASTM D1004	35 lb	156 N
PUNCTURE RESISTANCE (MIN. AVG.)	ASTM D4833	75 lb	333 N
STRESS CRACK RESISTANCE	ASTM D5397 (App.)	500 hr	500 hr
CARBON BLACK CONTENT (RANGE)	ASTM D4218	2.0-3.0 %	2.0-3.0 %
CARBON BLACK DISPERSION	ASTM D5596	Pass	Pass



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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](http://www.viaflex.com)

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