

# HYDRALINE™ HD40BG TEXTURED

HIGH-DENSITY TEXTURED POLYETHYLENE – 23' LAYFLAT – MEETS GRI-GM13



## PRODUCT DESCRIPTION

HydraLine™ HD40BG1 & HD40BG2 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™ HD40BG1 & HD40BG2 textured geomembranes are available in black as standard and in custom colors with minimum order quantity requirements.

## PRODUCT USE

HydraLine™ HD40BG1 & HD40BG2 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.

HydraLine™ HD40BG1 & HD40BG2 meet the physical property values as stated in GRI test method GM13 standard specification.

## SIZE & PACKAGING

HydraLine™ HD40BG1 & HD40BG2 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™ HD40BG1 ..... HD400BBG1

HydraLine™ HD40BG2 ..... HD400BBG2

## 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

# HYDRALINE™ HD40BG TEXTURED

HIGH-DENSITY TEXTURED POLYETHYLENE – 23' LAYFLAT - MEETS GRI-GM13

		HYDRALINE™ HD40BG1 & HD40BG2			
		IMPERIAL		METRIC	
PROPERTIES	TEST METHOD	TEST VALUE	TESTING FREQUENCY (MINIMUM)	TEST VALUE	TESTING FREQUENCY (MINIMUM)
APPEARANCE		Black, & Custom Colors Available with Minimum Order Quantity			
CORE THICKNESS (MIN. AVG.)	ASTM D5994	38 Mils	Per roll	0.97 mm	Per roll
ASPERITY HEIGHT (MIN. AVG.) <sup>1</sup>	ASTM D7466	16 Mils	Per every 2nd roll	0.40 mm	Per every 2nd roll
FORMULATED DENSITY (MIN. AVG.)	ASTM D1505 / ASTM D792	0.940 g/cc	200,000 lb	0.940 g/cc	90,000 kg
TENSILE PROPERTIES (MIN. AVG.) <sup>1</sup> - YIELD STRENGTH - BREAK STRENGTH - YIELD ELONGATION - BREAK ELONGATION	ASTM D6693 Type IV	84 lb/in. 60 lb/in. 12 % 100 %	20,000 lb	15 kN/m 10 kN/m 12 % 100 %	9,000 kg
TEAR RESISTANCE (MIN. AVG.)	ASTM D1004	28 lb	45,000 lb	125 N	20,000 kg
PUNCTURE RESISTANCE (MIN. AVG.)	ASTM D4833	60 lb	45,000 lb	267 N	20,000 kg
STRESS CRACK RESISTANCE <sup>1</sup>	ASTM D5397 (App.)	500 hr	Per GRI-GM10	500 hr	Per GRI-GM10
CARBON BLACK CONTENT (RANGE) <sup>1</sup>	ASTM D4218	2.0-3.0 %	20,000 lb	2.0-3.0 %	9,000 kg
CARBON BLACK DISPERSION	ASTM D5596	Pass	45,000 lb	Pass	20,000 kg

<sup>1</sup> See reference notations for the listed test methods located in the Geosynthetics Research Institute; GRI-GM13 Standard Specification.



HydraLine™ HD40BG1 & HD40BG2 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™ HD40BG1 & HD40BG2 meet the physical property values as stated by the Geosynthetics Institute in the GRI test method GM13 standard specification.

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)

## 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](mailto:sales@viaflex.com)  
[www.viaflex.com](http://www.viaflex.com)



27-0080 09/22