HYDRALINE™ HD100

HIGH DENSITY POLYETHYLENE – LAYFLAT – MEETS GRI-GM13

Viaflex

PRODUCT DESCRIPTION

HydraLine™ HD100 is made from high density polyethylene (HDPE) resins protected by UV stabilizers to provide exceptional longevity and durability. HydraLine™ HD100 has great chemical resistance and a fairly low permeability as a result of the HDPE properties.

HydraLine™ HD100 requires specialized welding equipment and certified welding technicians to be properly installed. Welding is done with hot wedge welders on long field seams, and extrusion welders are used on detail work and pipe penetrations.

HydraLine™ HD100 is available in smooth, textured, and conductive variations. Colors include black and custom colors with minimum quantity requirements.

PRODUCT USE

HydraLine™ HD-Series is an excellent product for large applications that require UV stability and chemical resistance. HydraLine™ HD-Series geomembranes are a cost effective choice for large and exposed lining projects. This product is successfully used in landfills, waste water treatment lagoons, animal waste lagoons, mining applications and more.

HydraLine™ HD-Series meets the physical property values as stated in GRI test method GM13.

SIZE & PACKAGING

HydraLine™ HD100 is shipped to job sites in large 22.5' or 23' wide master rolls tightly rolled on to a heavy core and deployed by on site equipment. Seaming by certified installation technicians occurs in the field by heat fusion welding.

Reservoir Containment Liner

PRODUCT   PART

HydraLine™ HD100B

HydraLine™ HD100W

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
CONTAINMENT SOLUTIONS

HYDRALINE™ HD100

HIGH DENSITY POLYETHELYNE – LAYFLAT

PROPERTIES	TEST METHOD	HydraLine™ HD100			
		IMPERIAL		METRIC	
		TEST VALUE	TESTING FREQUENCY (MINIMUM)	TEST VALUE	TESTING FREQUENCY (MINIMUM)
APPEARANCE		Black, White, & Custom Colors Available with Minimum Order Quantity			
THICKNESS (MIN. AVG.)	ASTM D5199	100 Mils	Per roll	2.50 mm	Per roll
FORMULATED DENSITY (MINIMUM)	ASTM D1505 / ASTM D792	0.940 g/cc	200,000 lb	0.940 g/cc	90,000 kg
TENSILE PROPERTIES (MIN. AVG.) [1] - YIELD STRENGTH - BREAK STRENGTH - YIELD ELONGATION - BREAK ELONGATION	ASTM D6693 Type IV	210 lb/in. 380 lb/in. 12 % 700 %	20,000 lb	37 kN/m 67 kN/m 12 % 700 %	9,000 kg
TEAR RESISTANCE (MIN. AVG.)	ASTM D1004	70 lb	45,000 lb	311 N	20,000 kg
PUNCTURE RESISTANCE (MIN. AVG.)	ASTM D4833	180 lb	45,000 lb	800 N	20,000 kg
STRESS CRACK RESISTANCE [1]	ASTM D5397 (App.)	500 hr	Per GRI-GM10	500 hr	Per GRI-GM10
CARBON BLACK CONTENT (RANGE) [1]	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

[1] See reference notations for the listed test methods located in the Geosynthetics Research Institute; GRI-GM13 Standard Specification.

HydraLine™ HD100 is made from high density polyethylene (HDPE) resins protected by UV stabilizers to provide exceptional longevity and durability. HydraLine™ HD100 has great chemical resistance and a fairly low permeability as a result of the HDPE properties.