

PRODUCT DESCRIPTION

HydraFlex™ HT40 is a co-extruded one-side textured linear-low-density polyethylene (LLDPE) geomembranes containing carbon black and ultraviolet inhibitors to ensure protection against harmful UV degradation. HT-Series one-side textured LLDPE provides increased friction, elongation, and flexibility. Available in black and black/gray color options with the gray side providing a cooler surface against contrasting colors and a vital function for ease of damage detection during installation.

PRODUCT USE

HydraFlex™ HT40 is used in applications demanding increased friction resistance characteristics in sloped areas. These highly flexible geomembranes will conform to uneven subgrades.

SIZE & PACKAGING

HydraFlex™ HT40 can be fabricated into panels up to 25,000 sq. ft. All panels are accordion folded and rolled on a heavy duty core for ease of handling and time saving installation.



Reservoir Liner

PRODUCT

PART

HydraFlex™ HT40B

HydraFlex™ HT40BG

APPLICATIONS

- | | |
|-------------------------|---------------------------------|
| Oilfield Pit Liners | Leachate Collections Ponds |
| Well Pad Liners | Brine Ponds |
| Secondary Containment | Canal and Frac Reservoir Liners |
| Waste Lagoon Liners | Landfill Caps |
| Farm Ponds | Golf Course Ponds |
| Soil Remediation Liners | Frac Reservoir Liners |

HYDRAFLEX™ HT40

CO-EXTRUDED TEXTURED LLDPE

HYDRAFLEX™ HT40

PRO-FORMA DATA SHEET

PROPERTIES	TEST METHOD	IMPERIAL		METRIC	
		MINIMUM	TYPICAL	MINIMUM	TYPICAL
APPEARANCE		Black & Black/Gray		Black & Black/Gray	
THICKNESS, AVERAGE	ASTM D5994	36 mil	38 mil	0.91 mm	0.97 mm
WEIGHT		194 lbs/msf		947 g/m ²	
ASPERITY HEIGHT	ASTM D7466	10 mil	15 mil	0.25 mm	0.38 mm
TENSILE STRENGTH AT BREAK	ASTM D6693	70 ppi	120 ppi	123 N/cm	210 N/cm
TENSILE ELONGATION AT BREAK	ASTM D6693	300 %	600 %	300 %	600 %
TEAR RESISTANCE	ASTM D1004	20 lbs	24 lbs	89 N	107 N
PUNCTURE RESISTANCE	ASTM D4833	50 lbs	72 lbs	222 N	320 N
STANDARD OIT OR HIGH PRESSURE HPOIT	ASTM D3895 ASTM D5885	100 min 400 min	150 min 600 min	100 min 400 min	150 min 600 min
CARBON BLACK (BLACK LAYERS ONLY)	ASTM D4218	2.0 - 3.0 %	2.5 %	2.0 - 3.0 %	2.5 %
HYDRAULIC CONDUCTIVITY		1.8 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	60 lbf/in width	70 lbf/in width	267 N	311 N
SEAM PEEL ADHESION	ASTM D6392	50 lbf/in width	56 lbf/in width	222 N	249 N

PRO-FORMA Sheet Contents: The test values listed in this Pro-Forma data sheet are representative of initial production runs. These values may be revised at anytime without notice as additional test data becomes available.



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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. RAVEN INDUSTRIES 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.RavenEFD.com

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