

## PRODUCT DESCRIPTION

HydraFlex™ HD-Series HD40 is a three-layer co-extruded geomembranes consisting of high-density polyethylene outer layers with an inner core of flexible and conforming linear-low-density polyethylene. The outer layers are formulated to provide an outstanding balance of environmental stress crack resistance and toughness, for excellent resistance to aqueous chemicals and solvents. HydraFlex™ is stabilized with carbon black, antioxidants and UV stabilizers for long-term exposed applications.

## PRODUCT USE

HydraFlex™ HD40 is an excellent choice for applications requiring chemical and puncture resistant geomembranes. Applications include the containment of water, process fluids, leachates, hydraulic fracturing fluids, brine and other liquids. HydraFlex™ HD40 is also preferred for containment of incidental hazardous spills due to its chemical resistance and availability of prefabricated full-size containment pads. Both short-term and long-term soil remediation projects require geomembrane liners that are resistant to chemicals remaining in the soil and able to prevent contamination of surface water during the remediation and storage process. HydraFlex™ HD-Series containment liners and covers provide the protection required to preserve our environment during and after the remediation process.

## SIZE & PACKAGING

HydraFlex™ HD40 is available in large, one-piece panels, up to 38,000 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.



Remediation Pad Liner

## PRODUCT

## PART #

HYDRAFLEX™ ..... HD40BAC

## APPLICATIONS

- |                       |                           |
|-----------------------|---------------------------|
| Containment Liners    | Secondary Containment     |
| Canal Linings         | Rig Pad Liners            |
| Oilfield Pit Liners   | Remediation Liners        |
| Decorative Ponds      | Brine Ponds               |
| Fish Hatchery Liners  | Leachate Collection Ponds |
| Frac Water Reservoirs | Farm Ponds                |
| Reserve Pit Liners    | Evaporation Ponds         |

# HYDRAFLEX™ HD40

CO-EXTRUDED HDPE/LLDPE/HDPE POLYETHYLENE

## PRO-FORMA DATA SHEET

## HYDRAFLEX™ HD40BAC

PROPERTIES	TEST METHOD	IMPERIAL	METRIC
APPEARANCE		Black	
THICKNESS, NOMINAL		40 mil	1.0 mm
WEIGHT	ASTM D751	196 lbs/msf	957 g/m <sup>2</sup>
*TENSILE STRENGTH AT BREAK	ASTM D6693	196 lb	343 N/cm
*TENSILE ELONGATION AT BREAK	ASTM D6693	830 %	830 %
*TEAR STRENGTH	ASTM D1004	30 lbs	133 N
PUNCTURE RESISTANCE	ASTM D4833	86 lbs	383 N
CARBON BLACK	ASTM D4218	> 2 %	> 2 %
OXIDATION INDUCTION TIME (OIT)	ASTM D3895	> 100 min	> 100 min
MAXIMUM STATIC USE TEMPERATURE		180° F	82° C
MINIMUM STATIC USE TEMPERATURE		-70° F	-57° C

\* Tests are an average of machine and transverse directions.

### 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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Scan QR Code to download current technical data sheets via the Raven website.

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

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