



PRODUCT DESCRIPTION

GeoFlex HD-Series HD40 and HD60 are 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. GeoFlex is stabilized with carbon black, antioxidants and UV stabilizers for long-term exposed applications.

PRODUCT USE

GeoFlex HD40 and HD60 are excellent choices for applications requiring chemical and puncture resistant geomembranes. Applications include the containment of water, process fluids, leachates, hydraulic fracturing fluids, brine and other liquids. GeoFlex HD40 is also preferred for containment of incidental hazardous spills due 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. GeoFlex HD-Series containment liners and covers provide the protection required to preserve our environment during and after the remediation process.

SIZE & PACKAGING

GeoFlex HD40 is available in large, one-piece panels, up to 38,000 square foot panels. GeoFlex HD60 is available in up to 26,000 square foot. 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

GEOFLEX	HD40BAC
GEOFLEX	HD60BAC

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

GEOFLEX HD40 & HD60

CO-EXTRUDED HDPE/LLDPE/HDPE POLYETHYLENE



PRO-FORMA DATA SHEET

PROPERTIES	TEST METHOD	GEOFLEX HD40BAC		GEOFLEX HD60BAC	
		IMPERIAL AVG.	METRIC AVG.	IMPERIAL AVG.	METRIC AVG.
APPEARANCE		Black	Black	Black	Black
THICKNESS, NOMINAL		40 mil	1.0 mm	60 mil	1.5 mm
WEIGHT	ASTM D751	194 lbs/MSF	947g/m ²	262 lbs/MSF	1279 g/m ²
*TENSILE STRENGTH	ASTM D6693	200 lbf/in	350 N/cm	250 lbf/in	438 N/cm
*ELONGATION AT BREAK (FILM BREAK)	ASTM D6693	850 %	850 %	850 %	850 %
*TEAR RESISTANCE	ASTM D1004	28 lbf	125 N	38 lbf	169 N
PUNCTURE RESISTANCE	ASTM D4833	85 lbf	378 N	108 lbf	480 N
CARBON BLACK CONTENT	ASTM D1603 ASTM D4218	> 2 %	> 2 %	> 2 %	> 2 %
OXIDATIVE INDUCTION TIME (OIT)	ASTM D3895	> 100 min	> 100 min	> 100 min	> 100 min
FLEXURAL MODULUS	ASTM D790	77,000 psi	530,000 kPa	65,000 psi	450,000 kPa
MAXIMUM STATIC USE TEMPERATURE		180° F	82° C	180° F	82° C
MINIMUM STATIC USE TEMPERATURE		-70° F	-57° C	-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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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. GeoCHEM, Inc. 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

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