

PRODUCT DESCRIPTION

HydraFlex™ H20B is a coextruded geomembrane consisting of outer layers of virgin linear-low density polyethylene and an inner core of virgin and select reprocessed resins. HydraFlex™ H-Series membranes are stabilized with carbon black and antioxidants designed for an economical solution for near to midterm applications. The premium quality LLDPE contained in the H-Series product line offers exceptional value including ease of welding along with high impact and tear resistance.

PRODUCT USE

HydraFlex™ H20B is used in applications requiring an economical geomembrane with excellent durability including high impact strength and tear resistance. HydraFlex™ H20B has excellent flexibility and will conform to a variety of irregular surfaces. HydraFlex™ H-Series geomembranes are commonly used in a variety of remediation and lining applications and general covers, where high performance is required and general specifications may exist.

SIZE & PACKAGING

HydraFlex™ H20B is available in up to 75,000 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.



Reservoir Liner

PRODUCT

PART

HYDRA FLEX™ H20B

APPLICATIONS

- | | |
|-------------------------|----------------------|
| Interim Landfill Covers | Fire Ponds |
| Decorative Ponds | Remediation Liners |
| Outdoor Coverings | Farm Ponds |
| Brine Ponds | Oil Field Pit Liners |



HYDRAFLEX™ H20B

LINEAR BLACK POLYETHYLENE

| | | HYDRA FLEX™ H20B | | | |
|--------------------------------|-------------|---------------------------------|-----------------|----------------------|----------------|
| | | IMPERIAL | | METRIC | |
| PROPERTIES | TEST METHOD | MINIMUM | TYPICAL | MINIMUM | TYPICAL |
| APPEARANCE | | Black | | Black | |
| THICKNESS, AVERAGE | ASTM D5199 | 18 Mils | 19 Mil | 0.46 mm | 0.48 mm |
| WEIGHT | | 93.4 lbs/msf | | 456 g/m ² | |
| TENSILE STRENGTH AT BREAK | ASTM D6693 | 68 psi | 96 psi | 119 N/cm | 168 N/cm |
| TENSILE ELONGATION AT BREAK | ASTM D6693 | 700 % | 900 % | 700 % | 900 % |
| TEAR RESISTANCE | ASTM D1004 | 10 lbs | 12 lbs | 44 N | 53 N |
| PUNCTURE RESISTANCE | ASTM D4833 | 24 lbs | 40 lbs | 107 N | 178 N |
| OXIDATION INDUCTION TIME (OIT) | ASTM D3895 | 50 min | 100 min | 50 min | 100 min |
| CARBON BLACK | ASTM D4218 | 1.6 % | 2.4 % | 1.6 % | 2.4 % |
| 2% SECANT MODULUS (MAXIMUM) | ASTM D5323 | 60,000 psi Maximum | 30,000 psi | 414 Mpa Maximum | 207 Mpa |
| HYDRAULIC CONDUCTIVITY | | 3.30 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 | 30 lbf/in width | 38 lbf/in width | 133 N/cm width | 169 N/cm width |
| SEAM PEEL ADHESION | ASTM D6392 | 25 lbf/in width | 32 lbf/in width | 111 N/cm width | 142 N/cm width |



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Scan QR Code to download technical data sheets.

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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