



HYDRAFLEX™ H40B

40 MIL LINEAR BLACK POLYETHYLENE



PRODUCT DESCRIPTION

HydraFlex™ H40B 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.

APPLICATIONS

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

PRODUCT USE

HydraFlex™ H40B is used in applications requiring an economical geomembrane with excellent durability including high impact strength and tear resistance. HydraFlex™ H40B 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 AND PACKAGING

HydraFlex™ H40B is available in 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.



800.747.6095
760.747.6095



Inquiries@americover.com
www.americover.com



2067 Wineridge Place, Suite F · Escondido, CA 92029



HYDRAFLEX™ H40B

40 MIL LINEAR BLACK POLYETHYLENE SPECIFICATIONS

| PROPERTIES | TEST METHOD | IMPERIAL | | METRIC | |
|--------------------------------|-------------|--------------------------------|-----------------|----------------------|----------------|
| | | MINIMUM | TYPICAL | MINIMUM | TYPICAL |
| Appearance | - | Black | | Black | |
| Thickness, Average | ASTM D5199 | 36 mil | 38 mil | 0.91 mm | 0.97 mm |
| Weight | - | 186.6 lbs/msf | | 911 g/m ² | |
| Tensile Strength at Break | ASTM D6693 | 136 psi | 192 psi | 238 N/cm | 336 N/cm |
| Tensile Elongation at Break | ASTM D6693 | 700% | 900% | 700% | 900% |
| Tear Resistance | ASTM D4833 | 20 lbs | 24 lbs | 89 N | 107 N |
| Puncture Resistance | ASTM D4833 | 48 lbs | 80 lbs | 214 N | 356 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% Scent Modulus (max) | ASTM D5323 | 60,000 psi max | 30,000 psi | 414 Mpa max | 207 Mpa |
| Hydraulic Conductivity | - | 1.9 x 10 ⁻¹⁰ cm/sec | | | |
| Maximum Static Use Temp | - | 180°F | | 82°C | |
| Minimum Static Use Temp | - | -70°F | | -57°C | |
| FACTORY SEAM REQUIREMENTS | | | | | |
| Bonded Seam Strength | ASTM D6392 | 60 lbf/in width | 87 lbf/in width | 267 N/cm width | 387 N/cm width |
| Seam Peel Adhesion | ASTM D6392 | 50 lbf/in width | 70 lbf/in width | 222 N/cm width | 311 N/cm width |

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. AMERICOVER, 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. Limited Warranty available at www.Americover.com

RI.01262017.04202017