

THE STRENGTH OF

AmericanTilapia

MOST DURABLE AND RESISTANT



HDRPE 30/40

**LAST LONGER
EASIER TO INSTALL.
CONTAINS BETTER.®**

**FOR WATER RETENTION, CONTAINMENT,
AQUACULTURE PONDS & CANAL LINING APPLICATIONS.**



APPLICATION

Americantilapia® HDRPE 30 mills, 40 year (High Density Reinforced polyethylene) Composite Geomembrane. NSF certified for drinking water. Our HDRPE 30 is ideal for impermeability and fluid containment applications such as agriculture, aquaculture, mining, infrastructure, containment, wastewater, long term covering, reservoirs, tanks, landfills and thousands of other uses.

| PROPERTY | TEST/METHOD | TYPICAL VALUE ¹ | | MIN. AVE. ROLL VALUE ² | |
|---|---------------|--------------------------------|----------------------|-----------------------------------|----------------------|
| | | ENGLISH | METRIC | ENGLISH | METRIC |
| Weight | ASTM D751 | 18 oz./yd ² | 610 g/m ² | 16 oz./yd ² | 540 g/m ² |
| Thickness | ASTM D751 | 30 mil | 0.76 mm | 27 mil | 0.69 mm |
| Strip Tensile Strength (MD) | ASTM D7003 | 246 lbf | 1094 N | 225 lbf | 1000 N |
| Strip Tensile Strength (CD) | ASTM D7003 | 272 lbf | 1210 N | 225 lbf | 1000 N |
| Strip Tensile Elongation (MD) | ASTM D7003 | 21% | | 20% | |
| Strip Tensile Elongation (CD) | ASTM D7003 | 21% | | 20% | |
| Tongue Tear (MD) | ASTM D5884 | 56 lbf | 249 N | 45 lbf | 200 N |
| Tongue Tear (CD) | ASTM D5884 | 56 lbf | 249 N | 45 lbf | 200 N |
| CBR Puncture | ASTM D6241 | 1348 lbf | 5996 N | 700 lbf | 3100 N |
| Index Puncture Resistance | ASTM D4833 | 230 lbf | 1023 N | 180 lbf | 800 N |
| Hydrostatic Resistance | ASTM D751 | 729 lb/in ² | 5026 kPa | 500 lb/in ² | 3400 kPa |
| Dimensional Stability ³ | ASTM D1204 | 1.52% | | 3% | |
| Water Vapor Transmission ⁴ | ASTM E96(BW) | 0.09 g/m ² day | | < 0.4 g/m ² day | |
| High Pressure Oxidation Induction Time ⁵ | ASTM D5885 | >400 minutes | | >400 minutes | |
| UV Resistance (Fluorescent Light Method) ⁶ | ASTM D7238 | | | | |
| a) Strength & Elongation retained after 10,000 light hours | ASTM D7003 | > 90% retained | | > 50% retained | |
| b) High Pressure OIT (minutes average) % retained after 1,600 hours | ASTM D5885 | > 50% retained | | > 50% retained | |
| Grab Tensile Strength (MD) | ASTM D7004 | 385 lbf | 1713 N | | |
| Grab Tensile Strength (CD) | ASTM D7004 | 385 lbf | 1713 N | | |
| Trapezoidal Tear (MD) | ASTM D4533 | 66 lbf | 294 N | | |
| Trapezoidal Tear (CD) | ASTM D4533 | 66 lbf | 294 N | | |
| Hydraulic Conductivity | ASTM E96 (BW) | 1.0 x 10 ⁻¹⁴ cm/sec | | | |
| Carbon Black Content | ASTM D4218 | > 2% | | | |
| Low Temperature Brittleness | ASTM D2136 | Pass (@ -60°F) | Pass (@ -51°C) | | |
| Standard Roll Width | | 12 ft | 3.7 m | | |
| Standard Roll Length | | 1500 ft | 457 m | | |
| Approximate Roll Weight | | 2200 lb | 998 kg | | |

www.americantilapia.com

BE WATER SMART

Americantilapia® HDRPE 30 mill, 40 year, thick, polyethylene Reinforced Composite Geomembrane (RCG), specifically designed for use in water retention and containment applications. The durable, stress crack resistant, lightweight construction provides outstanding performance in many different climates and environmental conditions.



HDRPE 30/40

EASIER TO INSTALL



THE STRENGTH OF **AmericanTilapia**

STRONG CONSTRUCTION

- 30 mills, our thickest geomembrane
- Inner woven core layer provides dimensional stability with impressive tensile and tear strength

OUTSTANDING PROTECTION

- Puncture, abrasion and chemical resistant construction
- Excellent hydrostatic resistance
- All layers contain UV protection

MEETS INDUSTRY STANDARDS

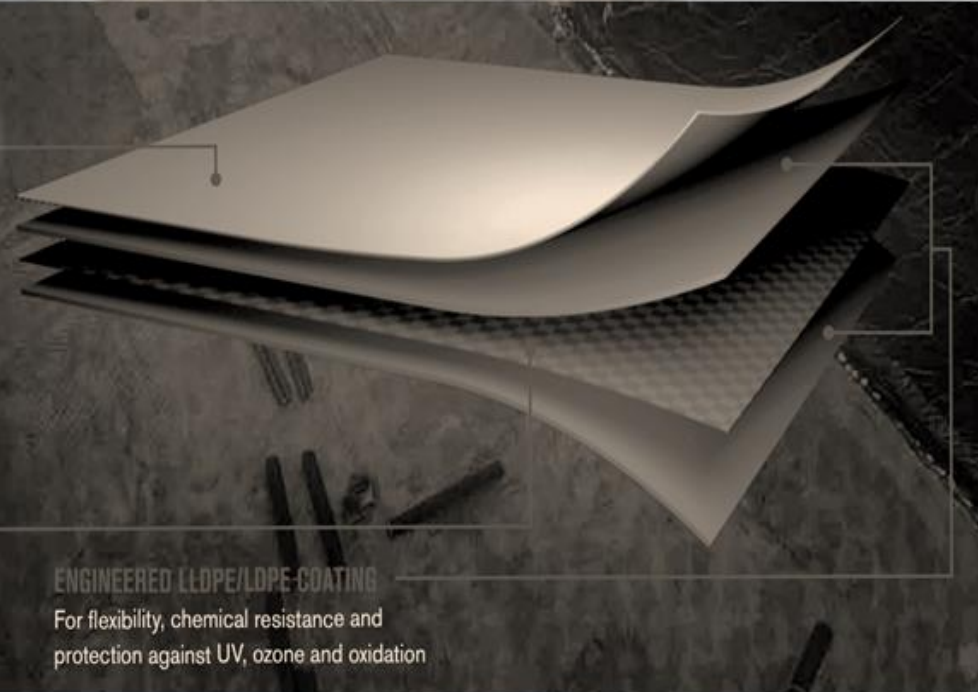
- Non-toxic, no PVC or other hazardous materials used in the construction of the geomembrane
- Impressive UV, ozone and oxidation resistance

LAST LONGER



UV resistant SurFlex™ technology provides excellent welding characteristics, reduces stress cracking and makes it easy to seam in the factory or field

CONTAINS BETTER



HDPE HIGH STRENGTH WOVEN CORE
For outstanding dimensional strength and stability

ENGINEERED LDPE/LDPE COATING
For flexibility, chemical resistance and protection against UV, ozone and oxidation

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