

THE STRENGTH OF FloridaTilapia.Com

**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 1,500 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		

<https://floridatilapia.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.

EASIER TO INSTALL



LAST LONGER



CONTAINS BETTER



HDRPE 30/40

THE STRENGTH OF

FloridaTilapia.Com

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



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

HDPE HIGH STRENGTH WOVEN CORE

For outstanding dimensional strength and stability

ENGINEERED LLDPE/LDPE-COATING

For flexibility, chemical resistance and protection against UV, ozone and oxidation

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