

THE STRENGTH OF

AmericanTilapia

HDRPE 24/24

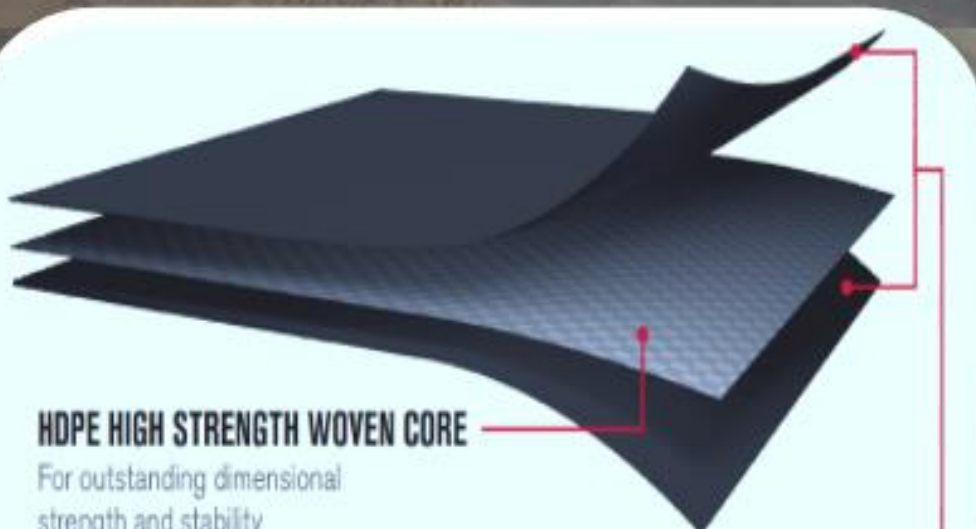
MOST DURABLE AND RESISTANT



MAXIMUM STRENGTH & PERFORMANCE

Americantilapia® HDRPE 24 mills 24 Years minimum useful life.
Is a high-strength geomembrane designed for use as a heavy-duty cover in oil fields, landfills, remediation, trucks and rail cars, and agriculture.

The Americantilapia® HDRPE woven core provides outstanding dimensional stability and high strength.



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.

FEACTURES

- Exceptional UV, ozone, and oxidation resistance.
- Puncture, abrasion and chemical resistant.
- Non-toxic, no PVC or other hazardous materials used in construction of fabric
- Low water vapor permeability.

www.americantilapia.com



APPLICATION

Irrigation canals, covers - agricultural, soil, manure, salt and general purpose, interim covers, medium duty covers, environmental protection, landfill covers, spill containment, remediation and more.

SIZES & COLORS

- 24 mills thickness
- Black/White

PROPERTY	TEST/METHOD	TYPICAL VALUE ¹		MIN. AVE. ROLL VALUE	
		ENGLISH	METRIC	ENGLISH	METRIC
Weight	ASTM D751	12.3 oz./yd ²	415 g/m ²	10 oz./yd ²	340 g/m ²
Thickness	ASTM D751	24 mil	0.61 mm	22 mil	0.56 mm
Strip Tensile Strength (MD)	ASTM D7003	265 lbf	1179 N	200 lbf	900 N
Strip Tensile Strength (CD)	ASTM D7003	229 lbf	1019 N	200 lbf	900 N
Strip Tensile Elongation (MD)	ASTM D7003	22%		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	1237 lbf	5502 N	500 lbf	1800 N
Index Puncture Resistance	ASTM D4833	200 lbf	890 N	160 lbf	700 N
Hydrostatic Resistance	ASTM D751	525 lb/in ²	3620 kPa	300 lb/in ²	200 kPa
Dimensional Stability	ASTM D1204	3%		3%	
Water Vapor Transmission ²	ASTM E96(BW)	0.14 g/m ² day		< 0.5 g/m ² day	
UV Resistance (Fluorescent Light Method) ³	ASTM D7238				
a) Strength & Elongation retained after 10,000 light hours	ASTM D7003	> 90% retained		> 50% retained	
Grab Tensile Strength (MD)	ASTM D7004	355 lbf	1579 N		
Grab Tensile Strength (CD)	ASTM D7004	342 lbf	1521 N		
Trapezoidal Tear (MD)	ASTM D4533	63 lbf	280 N		
Trapezoidal Tear (CD)	ASTM D4533	63 lbf	280 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	610 m		
Approximate Roll Weight		2200 lb	975 kg		