

TITAN 40 HD Nominal

40mil HDPE SMOOTH GEOMEMBRANE



Titan HD is a smooth high-density polyethylene (HDPE) geomembrane manufactured with the highest quality resin specifically formulated for flexible geomembranes. This product is used in applications that require excellent chemical resistance and endurance properties.

TESTED PROPERTY	TEST METHOD	FREQUENCY	UNIT ENGLISH (METRIC)	VALUE ENGLISH (METRIC)
Thickness (minimum average)	ASTM D 5199	every roll	mil	36
Density	ASTM D 1505	200,000 lbs (90,000 kg)	g/cm ³	0.940
Tensile Properties (each direction)	ASTM D 6692, Type IV Dumbbell, 2 ipm	20,000 lbs (9,000 kg)	lb/in-width	152
Strength at Break			lb/in-width	84
Strength at Yield	G.L. 2.0 in		%	700
Elongation at Break	G.L. 1.3 in		%	12
Elongation at Yield				
Tear Resistance	ASTM D 1004	45,000 lbs (20,000 kg)	lb	28
Puncture Resistance	ASTM D 4833	45,000 lbs (20,000 kg)	lb	72
Carbon Black Content	ASTM D 1603*/4218	20,000 lbs (9,000 kg)	% (Typical Value)	2.5
TYPICAL ROLL DIMENSIONS				
Roll Length ⁽¹⁾			ft	940
Roll Width ⁽¹⁾			ft	22.5
Roll Area ⁽¹⁾			ft ²	21,150

Notes:

- (1) Roll Lengths and widths have a tolerance of ±1%.
 - HDPE Smooth is available in rolls weighing approximately 3,900 lb.
 - All geomembranes have dimensional stability of ±2% when tested according to ASTM D 1204 and LTB of <-77°C when tested according to ASTM D 746.
 - *Modified

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TITAN ENVIRONMENTAL CONTAINMENT

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