



HDP-50
50mil(1.2mm) smooth geomembrane

Trump HDPE is a smooth high -density poly ethylene(HDPE)geomembrane manufactured with the highest quality resin specially formulated for flexible geomembranes.This product is used in applications that requires excellent chemical resistance and endurance .This product specification meets GRI-GM13.

TESTED PROPERTY	TEST METHOD	FREQUENCY	UNIT ENGLISH METRIC	VALUE ENGLISH(METRIC)
Thickness Lowest individual reading	ADTM D 5199	every roll	mil(mm)	50(1.20) 44(1.1)
Density	ASTM D1503	200,000lbs(90,000kg)	g/m ³ (mil)	0.94
Tensile properties (each direction Strength at break Strength at yield Elongation at break Elongation at yeild	ASTM D 6692 ,Type IV Dumbbell,2 ipm (50mm/min) G.L 2.0min(50mm) G.L.1.3min(33mm)	200,000lbs(90,000kg)	lb/in-width(N/mm) lb/in-width(N/mm) % %	190(35) 106(19) 700 12
Tear Resistance	ASTM D 1004	45,000lbs(20,000kg)	lb(N)	35(156)
Puncture Resistance	ASTM D 4833	45,000lbs(20,000kg)	lb(N)	90(400)
Carbon Black Content	ASTM D 1063*/4218	20,000lbs(9,000kg)	%(range)	2.0-3.0
Caron Black Dispersion	ASTM D 5596	45,000lbs(20,000kg)		Note
Notch Constant Tensile Load	ASTM D 5397 Appdenix	20,000lbs(9,000kg)	hr	300
Oxidative Induction Time	ASTM D 3895 ,200°C O2 , atm	20,000lbs(9,000kg)	min	> 100
TYPICAL ROLL DIMESIONS				
Roll Length			ft(m)	164.04 (50)
Roll Width			ft(m)	19.68 (6)
Roll Area			ft ² (m ²)	3229.17 (300)

Notes

** Roll lengthe and width have a torance of ±1%

** All geomembranes have dimesional stability of ±2% when tested according to ASTM 1204 and 1204 and LTB of < -77°C when tested according to ASTM D746

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