

## CHEMI TECH HDPE GEO MEMBRANE

### SMOOTH GEO MEMBRANE

Chemi Tech HDPE Geo Membrane Liner is a smooth high density Poly Ethylene sheet manufactured with high quality resin formulated for flexible membrane as puncture resistant waterproofing layer in Civil engineering projects for basement, pools, canals, lagoons and waist water containments & reservoirs.

#### Advantages:

Bigger roll length results in less joints, & strong seamless welding results in higher integrity. This product is used in applications where high endurance and chemical resistance is required. The product is very tough, UV resistant and puncture resistant.

#### Product Specification

Tested Property	Test Method	Minimum Average Value			
Tickness , mil	ASTM D 5199	0.3mm	0.5mm	0.75mm	1mm
Density g/cm	ASTM D 1505	0.940	0.940	0.940	0.940
Tensile Property (each direction)	ASTM D 6693 Type IV				
Strenght at Break Ib/in-width	Dumbbell 2 ipm	44	76	114	152
Strenght at Yield Ib/in-width		25	42	63	84
Elongation at Break %	G.L 2.0 in	700	700	700	700
Elongation at Yield %	G.L 1.3 in	12	12	12	12
Tear Resistance Ib	ASTM D 1004	9	14	21	28
Puncture Resistance Ib	ASTM D 4833	28	36	54	72
Carbon Black Content % (Range)	ASTM D 1603/4218	20-30	20-31	20-32	20-33
Notched Constant Tensile Load , hr	ASTM D 5397 Appen	300	300	300	300
Oxidactive induction Time , mins	ASTM D 3895	>100	>100	>100	>100
	200 C:O 1 atm				

#### TYPICAL ROLL DIMENSIONS

Roll Length ft (as per client request)	50m				
Roll width ft	3.65 m TO 4.26m				
Roll Area ft	Variable				