ROSTEK

Geomembrane Rostek merupakan plastik yang tahan terhadap korosi, cairan asam, ataupun panas tinggi yang terbuat dari bahan high density polyethylene (HDPE).

Ukuran 7 meter x 50 meter (350 m^2) per roll

Main Technical Specification for 0.30mm/0.50mm HDPE Geo-membrane(ASTM GRI GM13):

No.	Item		Unit	DATA of ASTM GRI GM13		
01	Density/m3		g/ m3	940		
					0.30mm	0.50mm
02	Break strength	Longitudinal direction	KN/m		8.10	13.50
		Latitudinal direction			8.10	13.50
03	Yield strength	Longitudinal direction	KN/m		4.50	7.50
		Latitudinal direction			4.50	7.50
04	Yield elongation	Latitudinal direction	%		12	12
		Latitudinal direction			12	12
05	Break elongation	Longitudinal direction	%		700	700
		Latitudinal direction			700	700
06	Tear resistance	Longitudinal direction	N		37.50	62.50
		Latitudinal direction			37.50	62.50
07	Punch resistance		N		96	160
08	Stress crack resistance		Hrs		300Hrs	300hrs

09	Dimension stability		%		+/-5%	+/-5%
10	Carbon black content		%		2-3%	2-3%

Other Technical data for 0.30/0.50mm HDPE Geo-membrane:

01	Permeability/Hydraulic INDEX	g.cm /cm².s.pa	$1*10^{-17}$
02	200℃ Oxidative induction time(OIT)	Min.	100
03	Temperature application	℃	-80-80
04	Aging test(85℃, %90d, standard OIT)	%	55
05	Ultraviolet Resistance; 1600h,Standard OIT	%	50