

# ROSTEK

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

Ukuran 5,5 meter x 50 meter (275 m<sup>2</sup>) per roll



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

No.	Item	Unit	DATA of ASTM GRI GM13		
				0.30mm	0.50mm
01	Density/m <sup>3</sup>	g/ m <sup>3</sup>	940		
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 /cm <sup>2</sup> .s.pa	1*10 <sup>-17</sup>
02	200°C Oxidative induction time(OIT)	Min.	100
03	Temperature application	°C	-80-80
04	Aging test(85°C, %90d, standard OIT)	%	55
05	Ultraviolet Resistance; 1600h,Standard OIT	%	50