

## Shandong Jinruixiang Geotextile Material Co., Ltd



Add: Building 3, No.10 Yuansan Road, High-tech Department Zone, Laiwu City Shandong Province China

## High density polyethylene geomembrane for environmental protection(GH-2S)

## 1. Thickness and Deciation

Item		Index							
	Nominal thickness(mm)	0.75	1.00	1.25	1.50	2.00	2.50	3.00	
Glossy face	Average thickness(mm)	≥0.75	≥1.00	≥1.25	≥1.50	≥2.00	≥2.50	≥3.00	
	Thickness limit deviation (%)	-10							
	Nominal thickness(mm)	0.75	1.00	1.25	1.50	2.00	2.50	3.00	
Daniel and	Average thickness(mm)	-5							
Rough surface	Thickness limit deviation eight of ten (%)	-10							
	Thickness limit deviation any of ten (%)	-15							

Thickness specifications and deviations not listed in the table are implemented according to interpolation

## 2. Appearance quality

High density polyethylene geomembrane for environmental protection is generally black, and the appearance quality should meet the requirements of the following table.

NO	Item	Requirement		
1	Incision	Straight, no obvious zigzag		
2	Breakage,crack,stratification, perforation repair point	Not allow		
3	Watermarks and mechanical scratches	Not obvious		
4	Crystal point, rigid block and impurity	0.6mm-2.0mm is limited to less than 10 per square meter. No permit greater		
		than 2.0mm		
5	Bubble	Not allow		
6	Appearance of a rough mask	Even, there should be no caking, defect, etc.		

3 High density polyethylene geomembrane for environmental protection (GH-2S) technical performance index.

	Item				Index			
No	Thickness	0.75	1.00	1.25	1.50	2.00	2.50	3.00
1	Density((g/cm3))	≥0.940						
2	Tensile yield strength (N/mm)	≥11	≥15	≥18	≥22	≥29	≥37	≥44
3	Tensile fracture strength(N/mm)	≥20	≥27	≥33	≥40	≥53	≥67	≥80
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4	Yield elongation(%)	≥12						
	Tield clongation(70)	<u> </u>						
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5	Fracture elongation(%)	≥700						
6	Right-anger tearing load(N)	≥93	≥125	≥160	≥190	≥250	≥315	≥375
							,	
7	Puncture resistance (N)	≥240	≥320	≥400	≥480	≥640	≥800	≥960
8	Stress cracking of tensile load	300						
9	Carbon black content (%)	2.0-3.0						
10	Carbon black dispersion	Of the ten data, 3 levels are not more than 1, 4 levels, and 5 levels are not						
			allowed.					
		Atmospheric oxidation induction time ≥100						
11	Low temperature impact catalytic performance	Induction time of high pressure oxidation $\geq 400$						