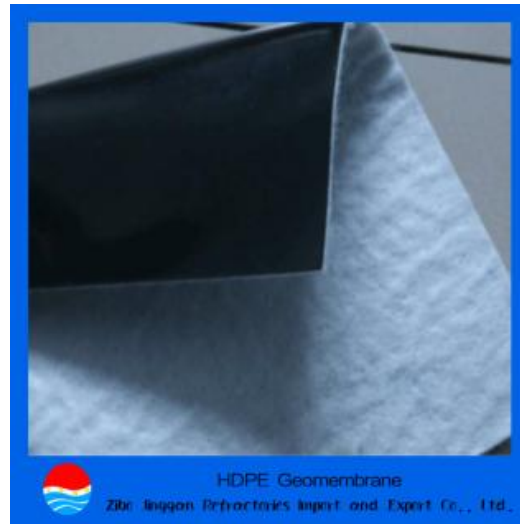


ZIBO JINGGAN REFRACTORY IMPORT AND EXPORT CO.,LTD

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HDPE Geomembrane



1. Introduction: HDPE geomembrane is a kind of smooth high density polyethylene (HDPE) geomembrane produced by special formula of primary resin. The resin has good flexibility and contains 97.5% polyethylene, 2.5% carbon black and a small amount of antioxidant and heat stabilizer. Geomembrane HDPE products have excellent chemical resistance, mechanical properties, environmental stress cracking resistance, heat aging performance, excellent ultraviolet radiation resistance, product size stability, suitable for outdoor environment

2. Application fields:

1) Environmental protection engineering: such as landfill, sewage treatment plant, chemical wastewater pool, power plant regulating pool, etc

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2) Petrochemical Industry: oil well sludge tank, surface tank, sedimentation tank, etc

3) Chemical industry and mining industry: ash yard, red mud pile, dissolving pool, seepage control of tailings dam bottom, etc

4) Construction Engineering: subway, underground garage, sewage pipe, etc

5) Salt chemical industry: salt field, crystal pool, salt film, etc

3. Product features:

1) The product contains 97.5% polyethylene

2) It has good heat aging resistance and ultraviolet radiation resistance

3) Good chemical resistance and environmental cracking resistance

4) Stable size, suitable for outdoor applications

5) The construction is simple and fast

6) Deformation resistance of foundation

7) The effect is good

8) The recovery performance is good after use

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Technical index of HDPE Geomembrane

ITEM	TECHNICAL INDEX								
Thickness mm	0.30	0.50	0.75	1.00	1.25	1.50	2.00	2.50	3.00
Density g/cm3	≥0.940								
Carbon black content %	2.0								
Dispersion of carbon black	There is no more than one level 3 in 10 data, and it is not allowed for level 4 and level 5								
Tensile yield strength (Vertical and horizontal)N/mm	≥4	≥7	≥10	≥13	≥16	≥20	≥26	≥33	≥40
Tensile breaking strength (Vertical and horizontal) N/mm	≥6	≥10	≥15	≥20	≥25	≥30	≥40	≥50	≥60
Elongation at yield (Vertical and horizontal)%	≥11								
elongation at break (Vertical and horizontal)%	≥600								
Right angle tear load (Vertical and horizontal)N	≥34	≥56	≥84	≥115	≥140	≥170	≥225	≥280	≥340
Puncture resistance N	≥72	≥120	≥180	≥240	≥300	≥360	≥480	≥600	≥720
Ordinary pressure Oxidation induction time min	≥60								
Impact embrittlement of low disk	pass								
Water vapor permeability coefficient g.cm/cm2.s.pa	≤1.0*10 ⁻¹³								
Dimensional stability %	±2.0								
85℃ Thermal aging %	≥55								
UV resistance	≥50								
Service temperature ℃	-60℃~+60℃								

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Do you want to find a professional supplier of graphite electrodes?

Do you want to find a stable and credible supplier?

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