

Asia Pacific Geotextile Material Co., Ltd.

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HDPE Geomembrane Technical Index

Item	Index						
	0.75	1.00	1.25	1.50	2.00	2.50	3.00
Thickness (mm)	0.75	1.00	1.25	1.50	2.00	2.50	3.00
Density (g/cm ³)	≥0.940						
Tensile yield strength (N/mm)	≥11	≥15	≥18	≥22	≥29	≥37	≥44
Tensile fracture strength (N/mm)	≥20	≥27	≥33	≥40	≥53	≥67	≥80
Yield elongation (%)	≥12						
Fracture elongation (%)	≥700						
Right-angle tearing load (N)	≥93	≥125	≥160	≥190	≥250	≥315	≥375
Puncture resistance (N)	≥240	≥320	≥400	≥480	≥640	≥800	≥960
Stress cracking of tensile load (h)	500						
Carbon black content (%)	2.0-3.0						
Carbon black dispersion	Of the ten data, 3 levels are not more than 1, 4 levels, and 5 levels are not allowed.						
Low temperature impact catalytic performance	Atmospheric oxidation induction time ≥100 Induction time of high pressure oxidation ≥400						
Thermal ageing at 85°C (OIT retention at atmospheric pressure after 90°C)%	≥55						
UV resistant (OIT retention after 1600h UV exposure)%	≥50						





Virgin Raw Material

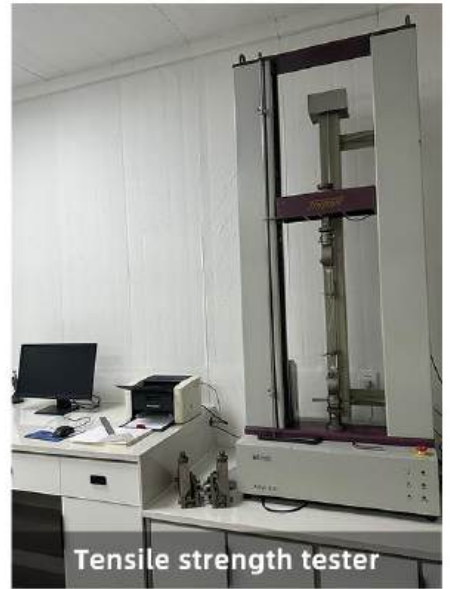




Carbon black content tester



Oxidation induction time tester



Tensile strength tester



Malaysian Shrimp Farming



Kenya Dam Project





Chilean Landfill



Indonesia Aquaculture





Kyrgyzstan Landfill



Philippine Shrimp Farming

