



OBOR HDPE Geomembrane

- Widely used in Aquaculture, Landfill, Mining, Fish Farm Tank, Landscape River, salt industry etc.
- Raw material include high density polyethylene resin, carbon black, antioxidant, anti-aging and UV-resistance component so make the product high tensile strength, low elongation, high tear strength, excellent wear resistance strong water barrier by film-blowing, extrusion, paneling and rolling.

Spec Properties	Test method ASTM	GMS0.75	GMS1.0	GMS1.25	GMS1.5	GMS2.0	GMS2.5
Thickness	D5199	0.75mm	1.00mm	1.25mm	1.50mm	2.00mm	2.50mm
Density (≥ g/cc)	D1505	0.94	0.94	0.94	0.94	0.94	0.94
Tensile Properties (Each direction) (≥)							
• yield strength	D 6693	11 KN/m	15 KN/m	18 KN/m	22 KN/m	29 KN/m	37KN/m
• break strength	Type IV	20KN/m	27 KN/m	33 KN/m	40 KN/m	53 KN/m	67KN/m
• yield elongation		12%	12%	12%	12%	12%	12%
• break elongation		700%	700%	700%	700%	700%	700%
Tear Resistance (≥)	D 1004	93 N	125 N	156 N	187 N	249 N	311 N
Puncture Resistance (≥)	D 4833	240 N	320 N	400 N	480 N	640 N	800 N
Stress Crack Resistance (≥)	D 5397	300 hr.	300 hr.	300 hr.	300 hr.	300 hr.	300 hr.
Carbon Black Content	D 1603	2.0-3.0%	2.0-3.0%	2.0-3.0%	2.0-3.0%	2.0-3.0%	2.0-3.0%
Carbon Black Dispersion	D 5596	Note(1)	Note(1)	Note(1)	Note(1)	Note(1)	Note(1)
Oxidant Induction Time (OIT) (≥)							
(a)Standard OIT	D 3895	100 min.	100 min.	100 min.	100 min.	100 min.	100 min.
(b)High Pressure OIT	D 5885	400 min.	400 min.	400 min.	400 min.	400 min.	400 min.

Thickness	0.2mm-3.0mm
Width	1-12m
Length	50m-200m
Color	Black, White, Blue, Green
Material	HDPE, LDPE, LLDPE
Surface	Textured or Smooth
Certification	CE, ISO9001, ISO14001



By combining the latest blown film production technology with our specialized production structures and rigorous quality control, we are able to provide you with high quality products in a fast time frame and with flexible customization services.

Working with the best brands in the industry, our employees have a very professional product knowledge, so we will try our best to help our customers develop efficient and professional solutions. We assure you that we can help you succeed with our innovative products and compelling product quality.

At present, we will continue to provide high quality and cost-effective geosynthetic products to the world. We will continue persist our own strength, so we deeply hope that you can join us and grow together to create a series of geosynthetic achievement worldwide.