



HUITEX[®]
GEOMEMBRANE



Applications

- Landfills
- Landfill Caps
- Hazardous Waste Containments
- Liquid Waste Containments
- Secondary Containments
- Aquaculture Ponds
- Canals
- Potable Water Containments
- Water Reservoirs
- Mining
- Tunnel Lining
- Storage Tanks



Amphitheater Area Florida, Laguna Indah - Surabaya



Artificial Lake, Golf Course - Bogor



Artificial Lake, Pecatu Indah Graha Golf - Bali



Mud Sump Pond Liner, Pengalengan - Bandung

HUITEX[®] Geomembrane Cross Section For Landfill Lining





Mud Sump Pond Liner, Pengalengan - Bandung



Water Treatment Pond, Mojokerto - Jawa Timur



Landfill, Mauk - Tangerang

Featuring superior impermeability, tensile strength and strong resistance to puncture, environmental stress crack and UV radiation, HUITEX[®] Geomembrane provides a long-term solution to the landfill containment.

HUITEX[®] Geomembrane is available in smooth and textured finishes to utilize the friction advantage for slope lining. In addition to standard black, colored geomembrane is also available for easy damage detection and UV reflection.

HUITEX Geomembrane in Indonesia Project (PT Multibangun Rekatama Patria)



Aerated Lagon - Bali



Waste Water Storage Pond, Semarang - Jateng



Artificial Lake, Hotel Borobudur - Jakarta



Reservoir, Desa Setiabudi - Bali



Waste Water Pond, Ramba - Palembang



Waste Water Pond - Lombok

Hazardous waste management has always been critical in the industries. HUITEX[®] Geomembrane is widely used for the hazardous material containment, waste water treatment, and mining leach pads. Featuring strong chemical resistance, impermeability and flexibility, HUITEX[®] Geomembrane generates a durable and reliable environmental protection solution.

HUITEX HDPE Smooth Geomembrane

Specification

Property	Test Method	Minimum Values						
		HD050	HD075	HD100	HD150	HD200	HD250	HD300
Thickness, mm	ASTM D5199							
Minimum Average Values		0.50	0.75	1.00	1.50	2.00	2.50	3.00
Lowest Individual Reading		0.45	0.67	0.90	1.35	1.80	2.30	2.70
Density, g/cm ³	ASTM D1505/D792	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Tensile Properties (each direction)	ASTM D6693 Type IV specimen							
1. Strength at Yield, kN/m width	@ 50 mm/min	9	11	16	25	34	40	44
2. Strength at Break, kN/m width		14	21	28	43	57	71	80
3. Elongation at Yield, %	GL 33 mm	13	13	13	13	13	13	13
4. Elongation at Break, %	G.L 50 mm	700	700	700	700	700	700	700
Tear Resistance, N	ASTM D1004	73	100	138	210	275	330	374
Puncture Resistance, N	ASTM D4833	176	264	320	480	640	820	960
Carbon Black Content, %	ASTM D1603	2	2	2	2	2	2	2
Carbon Black Dispersion	ASTM D5596	Cat. 2	Cat. 2	Cat. 2	Cat. 2	Cat. 2	Cat. 2	Cat. 2
Oxidate Induction Time, min	ASTM D3895 (200 C ; O ₂ , 1atm)	100	100	100	100	100	100	100

		Nominal Values						
Tensile Properties (each direction)	ASTM D6693 Type IV specimen							
1. Strength at Yield, kN/m width	@ 50 mm/min	10	15	21	32	38	49	58
2. Strength at Break, kN/m width		18	27	36	53	70	90	107
3. Elongation at Yield, %	G.L. 33 mm	17	17	17	17	17	17	17
4. Elongation at Break, %	G.L. 51 mm	800	800	800	800	800	800	800
Melt Flow Index, g/10 min	ASTM D 1238 (190°C, 2.16kg)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tear Resistance, N	ASTM D1004	87	135	160	245	330	420	480
Puncture resistance, N	ASTM D4833	245	365	490	690	850	965	1200
Carbon Black Content, %	ASTM D1603	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Carbon Black Dispersion	ASTM D5596	Cat. 1	Cat. 1	Cat. 1	Cat. 1	Cat. 1	Cat. 1	Cat. 1
Dimensional Stability, %	ASTM D1204 (100°C ; 1 hour)	±1	±1	±1	±1	±1	±1	±1
Low Temperature Brittleness, C	ASTM D746	<-77	<-77	<-77	<-77	<-77	<-77	<-77
Stress Crack Resistance, hrs	ASTM D5397(Appendix)	>400	>400	>400	>400	>400	>400	>400

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