

GeofanMeb LLD Geomembrane

Technical Data Sheet

GeofanMeb LLD June 2019

Our LLD range of geomembranes are manufactured from low linear density polyethylene and are tested in accordance to current ASTM standards. LDPE gives a more flexible geomembrane with excellent chemical resistance and high UV degradation resistance. Applications include:

- **Liquid containment features such as artificial lakes**
- **Irrigation channels and storage ponds**
- **Wrapping of subsurface storage tank systems**



Our roll width of 7m, lowers the installation cost by limiting unnecessary material overlapping wastage, reduced welding and increased speed of application.

Property	Test Method	Frequency	Minimum Value					
Product Code			LLD050	LLD075	LLD100	LLD150	LLD20	LLD250
Thickness,(minimum average) mm	ASTM D 5199	Every roll	0.50	0.75	1.00	1.50	2.00	2.50
Lowest individual reading (-10%)			0.45	0.69	0.91	1.40	1.80	2.25
Density, g/cc	ASTM D 1505	90,000Kgs	0.94	0.94	0.94	0.94	0.94	0.94
Tensile Properties (each direction)	ASTM D 6693 , TypeIV	9,000Kgs						
Strength at Break, N/mm	Dumbell, 2ipm		11	16	22	31	40	51
Elongation at Break, %	G.L. 2.0 in (51mm)		800	800	800	800	800	800
2% Modulus (max) N/mm	ASTM D 5323	E.M.B	210	370	420	630	840	1050
Tear Resistance, N	ASTM D 1004	20,000Kgs	47	65	95	138	183	230
Puncture Resistance, N	ASTM D 4833	20,000Kgs	86	138	179	264	360	440
Axi-Symmetric Break Resistance Strain %	ASTM D 5617		30	30	30	30	30	30
Carbon Black Content,%	ASTMD 1603*/4218	9,000Kgs			2			
Carbon Black Dispersion	ASTM D 5596	20,000Kgs			+Note1			
Oxidative Induction Time ,min	ASTMD 3895,200°C , 1 atm	90,000Kgs			100			
Oven Aging at 85°C	ASTM D 5721							
Standard OIT, retained after 90 days,%	ASTM D 3895	E.M.B			35			
UV Resistance High	ASTM D 5885							
Pressure OIT, retained after 1600 hours (min. avg), %		E.M.B			35			
Roll Length		meters	100	50	50	50	50	50
Roll Width		meters	5.85	5.85	5.85	5.85	5.85	5.85
Approx Load Q'ty per 40' HC		Sqmts	46800	32100	23400	15900	11700	9360



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