## GeofanMeb LLD Geomembrane

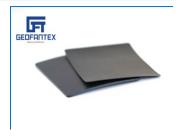
## **Technical Data Sheet**

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





Property	Test Method	Frequency	Minimum Value						
Product Code			LLD050	LLD075	LLD100	LLD150	LLD20	LLD250	
Thickness,(minimum	ASTM D 5199	<b>5</b>	0.50	0.75	4.00	4.50	2.00	2.50	
average) mm		Every roll	0.50	0.75	1.00	1.50	2.00	2.50	
Lowest individual			0.45	0.00	0.04	4.40	4.00	0.05	
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	ASTM D 6693 ,	0.0001/							
(each direction)	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	ASTM D 5617		00	30	00	00	00	00	
Resistance Strain %			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	ASTMD 3895,200°C ,								
Time ,min	1 atm	90,000Kgs		100					
Oven Aging at 85°C	ASTM D 5721								
Standard OIT, retained after	ASTM D 3895			35					
90 days,%		E.M.B			35	,			
UV Resistance High	ASTM D 5885								
Pressure OIT, retained		EMD			0.5				
after 1600 hours (min.		F.M.B	E.M.B 35						
avg), %									
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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