

G-Meb™ HD Range Geomembrane

Technical Data Sheet

GEO-LINK G-Meb 11thDec.2009

G-Meb™ HD Geomembranes are produced from high density polyethylene (HDPE), it has a good quality premium, flexible geomembrane.

(E.M.B.: Every material batch)

Property	Test Method	Frequency	Minimum Value					
Product Code			HD50	HD75	HD100	HD150	HD200	HD250
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	2.30
Density, g/cc	ASTM D 1505	90,000Kgs	0.94	0.94	0.94	0.94	0.94	0.94
Tensile Properties (each direction)	ASTMD6693, Type IV	9,000Kgs						
Strength at Break, N/mm	Dumbell, 2 ipm		13	20	27	40	53	67
Strength at Yield, N/mm			7	11	15	22	29	37
Elongation at Break, %	G.L. 2.0 in (50mm)		700	700	700	700	700	700
Elongation at Yield, %	G.L. 1.3 in (33mm)		14	14	14	14	14	14
Tear Resistance, N	ASTM D 1004	20,000Kgs	62	93	125	187	249	311
Puncture Resistance, N	ASTM D 4833	20,000Kgs	160	240	320	480	640	800
Carbon Black Content, %	ASTM D 1603*/4218	9,000Kgs	2	2	2	2	2	2
Carbon Black Dispersion	ASTM D 5596	20,000Kgs	+Note1	+Note1	+Note1	+Note1	+Note1	+Note1
Notched Constant Tensile Load ,hr	ASTMD5397,Appendx	90,000Kgs	300	300	300	300	300	300
OIT ,min	ASTMD 3895, 200°C , 1 atm	90,000Kgs	100	100	100	100	100	100
Oven Aging at 85°C	ASTM D 5721							
Standard OIT,retained after90 days,%	ASTM D 3895	E.M.B	55%	55%	55%	55%	55%	55%
UV Resistance High Pressure OIT, retained after 1600 hours(min.avg) , %	ASTM D 5885	E.M.B.	50	50	50	50	50	50
Roll Length		meters	244	166	210	140	100	80
Roll Width		meters	7	7	7	7	7	7
Roll Area		Sq.m	1708	1162	1470	980	700	560

+Note1: Dispersion only applies to near spherical agglomerates. 9 of 10 views shall be Category 1 or 2. No more than 1 view from Category 3.

Above values are on an average basis, the data was obtained from in-house test laboratory, National test institutes and international test institutes. GEO-LINK keeps the right of data changes and the final explanation right. Liability Exclusion: This publication should not be construed as engineering advice. While information contained here is accurate to the best of our knowledge, GEO-LINK does not warrant its accuracy or completeness. The only warranty made by GEO-LINK for its products is set forth in our Product Test Report accompanies our shipment of the products, or such other written warranty as may be agreed by GEO-LINK and customer. GEO-LINK specifically disclaims all other warranties, express or implied, including without agreed by GEO-LINK and customer. GEO-LINK specifically disclaims all other warranties, express or implied, including without limitation, warranties of merchantability or fitness for a particular purpose, or arising from provision of samples, a course of dealing or usage of trade.



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