Megaplast Smooth Geomembrane

Megaplast High Density Polyethylene (HDPE) Geomembrane is manufactured with the highest quality resin specifically formulated and used in applications that require excellent chemical resistance and endurance properties.

MEGAPLAST

AT THE CORE:
An HDPE geomembrane suitable for applications that require excellent chemical resistance and endurance properties

MEGAPLATINUM 250 (Conductive)

Technical data Sheet

This product specifications meet or exceed GRI GM 13

Sr.No.	Properties	Test Method (ASTM)	Unit (Metric)	Testing Frequency	MEGAPLATINUM 250 (Conductive)
1	Thickness - (min. ave)	D 5199	mm	Every roll	2.5
	Lowest Individual Reading of 10 values				2.25
2	Density (min. ave)	D 792	g/cc	Every 90,000 kg	0.940
3	**Tensile Properties (min.ave)** (Note4)	D 6693 Type IV Dumbell , 2ipm			
	→Break strength		KN/M	Every 5th roll	71
	→ Yield strength		KN/M		38
	→Break Elongation	G.L. 50mm	%		700
	→Yield Elongation	G.L. 33mm	%		13
4	Tear Resistance (min.ave)	D 1004	N	Every 10th roll	311
5	Puncture Resistance (min ave)	D 4833	N	Every 10th roll	810
6	Carbon Black Content (Range) (Only Nonconductive Layer)	D 4218 / D 1603	%	Every 5th roll	2.0 - 3.0
7	Carbon Black Dispersion	D 5596	Category	Every 10th roll	Note 1
8	Stress Crack Resistance (SP - Notched Constant Tensile Load)	D 5397 (Appendix)	Hrs.	Each two resign lots (One lot = 90,000 kgs)	500
9	Oxidative Induction Time (min.ave) Standard -OIT	D 3895 (at 200 dig C)	Minutes	Every 90,000 kg	> 100
	-- OR--- High Pressure -OIT	D 5885 (at 150 dig C)			> 500
10	Oven Aging at 85 deg C. Standard -OIT (min.ave) - % retained after 90 days	D 5721 D 3895	%	Per each formulation	55
	---OR---- High Pressure -OIT (min.ave) - % retained after 90 days	D 5721 D 5885			80
11	UV Resistance HP -OIT (min.ave) - % retained after 1600 hrs	D 7238 D 5885	%	Per each formulation	50
12	Application (Note 5)				Conductive

TYPICAL ROLL DIMENSIONS (Note2)	
Roll Width , m	8.0
Roll Length , m	85
Roll Area , m^2	680

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Note 1 : 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 .
Note 2 : Roll length & widths have a tolerance of +/- 1% .
Note 3 : All geomembranes have dimensional stability of +/- 2% when tested according to ASTM D 1204 .
Note 4 : Machine direction(MD) & Cross direction (XMD) average values should be on the basis of 5 specimens each direction.
Note 5 **: The conductive layer may cause the carbon black content results to be higher than 3% .**

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