

PRODUCT TECHNICAL DATA SHEET

ROWAD HDPE SINGLE TEXTURED WHITE/BLACK (HSTWB):

ROWAD HDPE Geomembranes are produced from prime quality, high molecular weight resins and are specially designed for most containment and environmental protection applications. The finished product has exceptional mechanical and chemical resistance properties, is highly durable with excellent aging, UV resistance and Environmental Stress Crack Resistance properties making it very suitable for most exposed applications. ROWAD Geomembranes are produced with virgin resins and DO NOT contains any fillers, foreign additives or plasticizing agents.

The ROWAD Geomembrane specification shown below meets or exceeds GRI GM 13 (Rev.11) Standards.

Tested Properties	Test Method	Frequency	HST075	HST100	HST150	HST200	HST250
Thickness, (nominal) mm	ASTM D5994	Per Roll	0.75	1.00	1.50	2.00	2.50
Thickness, (min. ave) mm			0.71	0.95	1.43	1.90	2.37
Lowest individual for 8 out of 10 values			0.68	0.90	1.35	1.80	2.25
Lowest individual of 10 values			0.64	0.85	1.28	1.70	2.13
Asperity Height(min) mm	ASTM D7466	Per Roll	0.25	0.25	0.25	0.25	0.25
Density(min ave), g/cm ³	ASTM D792	90,000 Kgs	0.940	0.940	0.940	0.940	0.940
Tensile Properties , (min. ave)	ASTM D6693,	9,000 Kgs					
Strength at Yield , N/mm	Type IV						
Strength at Break, N/mm	50mm /min						
Elongation at Yield, %	G.L. = 33 mm						
Elongation at Break, %	G.L. = 50 mm	400	400	400	400	400	
Tear Resistance,(min ave) N	ASTM D1004	20,000 Kgs	93	125	187	249	311
Puncture Resistance,(min ave) (N)	ASTM D4833	20,000 Kgs	240	305	440	575	710
Carbon Black Content,(range) %	ASTM D1603/4218	9,000 Kgs	2.0-3.0	2.0-3.0	2.0-3.0	2.0-3.0	2.0-3.0
Carbon Black Dispersion	ASTM D5596	20,000 Kgs	+Note 1	+Note 1	+Note1	+Note 1	+Note 1
Notched Constant Tensile Load, hrs	ASTM D5397	Per GRI GM10	500	500	500	500	500
Oxidative Induction Time, mins	ASTM D3895	90,000 Kgs	100	100	100	100	100
Dimensional Stability, %	ASTM D1204	Resin batch	±1	±1	±1	±1	±1
Oven Aging at 85°C	ASTM D 5721	Per formulation	>80	>80	>80	>80	>80
HP OIT % retained after 90 days	ASTM D 5885						
UV Resistance	GM 11	Per formulation	>50	>50	>50	>50	>50
HP OIT % retained after 1600 hrs	ASTM D5885						
Standard Roll Dimensions							
Width(m) BF	RTM	Per Roll	7.5	7.5	7.5	7.5	6.5
Length(m) BF	RTM	Per Roll	200	150	100	80	60
Area (m ²) BF	RTM	Per Roll	1500	1125	750	800	390

NOTES:

- 1: Carbon black Dispersion only applies to near spherical agglomerates. 10 of 10 views in Category 1 or 2.
- 2: Testing frequencies are rounded to the nearest full roll.
- 3: Roll lengths & widths have a tolerance of ±1%.
- 4: NCTL/OIT Results For Smooth and Textured materials are taken from SMOOTH Section/Selvage of the Role & All 3rd Party Tests must be taken from this section only.
- 5: Where offered- Conductive layers will be complete across the bottom of each role. (Standard Conductive will be BF or FD while Premium conductive will be BF only).
- 6: For reference; BF= Blown Film, FD= Flat Die.
- 7: Where offered single Textured rolls will be located on the upper face Unless otherwise agreed.

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