

## PRODUCT TECHNICAL DATA SHEET

### ROWAD LLDPE SINGLE TEXTURED WHITE, BLACK (LSTWB)(CFLEX):

ROWAD LLDPE 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 17 Standards.

Tested Properties	Test Method	Frequency	LST100	LST150
Thickness, (nominal) mm	ASTM D5994	Per Roll	1.00	1.50
Thickness, (min. ave) mm			0.95	1.43
Lowest individual for 8 out of 10 values			0.90	1.35
Lowest individual of 10 values			0.85	1.28
Asperity Height(min) mm	ASTM D7466	Per Roll	0.25	0.25
Density(Max), g/cm <sup>3</sup>	ASTM D792	90,000 Kgs	0.939	0.939
Tensile Properties (min.ave)	ASTM D6693,	9,000 Kgs	11	16
Strength at Break, N/mm	50mm /min			
Elongation at Break, %	G.L. = 50 mm			
2%Modulus (max) N/mm	ASTM D5323	Per formulation	420	630
Tear Resistance,(min ave) N	ASTM D1004	20,000 Kgs	100	150
Puncture Resistance,(min ave) N	ASTM D4833	20,000 Kgs	240	340
Carbon Black Content, (range) %	ASTM D1603/4218	9,000 Kgs	2.0-3.0	2.0-3.0
Carbon Black Dispersion	ASTM D5596	20,000 Kgs	+Note 1	+Note1
Axi-symmetric Break Resistance Strain %	ASTM D5617	Per formulation	30	30
Oxidative Induction Time, mins	ASTM D3895	90,000 Kgs	100	100
Dimensional Stability, %	ASTM D1204	Resin batch	±1	±1
Oven Aging at 85°C HP OIT % retained after 90 days	ASTM D5721 ASTM D5885	Per formulation	>60	>60
UV Resistance HP OIT % retained after 1600 hrs	GM 11 ASTM D5885	Per formulation	>35	>35
<b>Standard Roll Dimensions</b>				
Width(m) BF	RTM	Per Roll	7.5	7.5
Length(m) BF	RTM	Per Roll	125	90
Area (m <sup>2</sup> ) BF	RTM	Per Roll	937.5	675

#### 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 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 3<sup>rd</sup> 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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