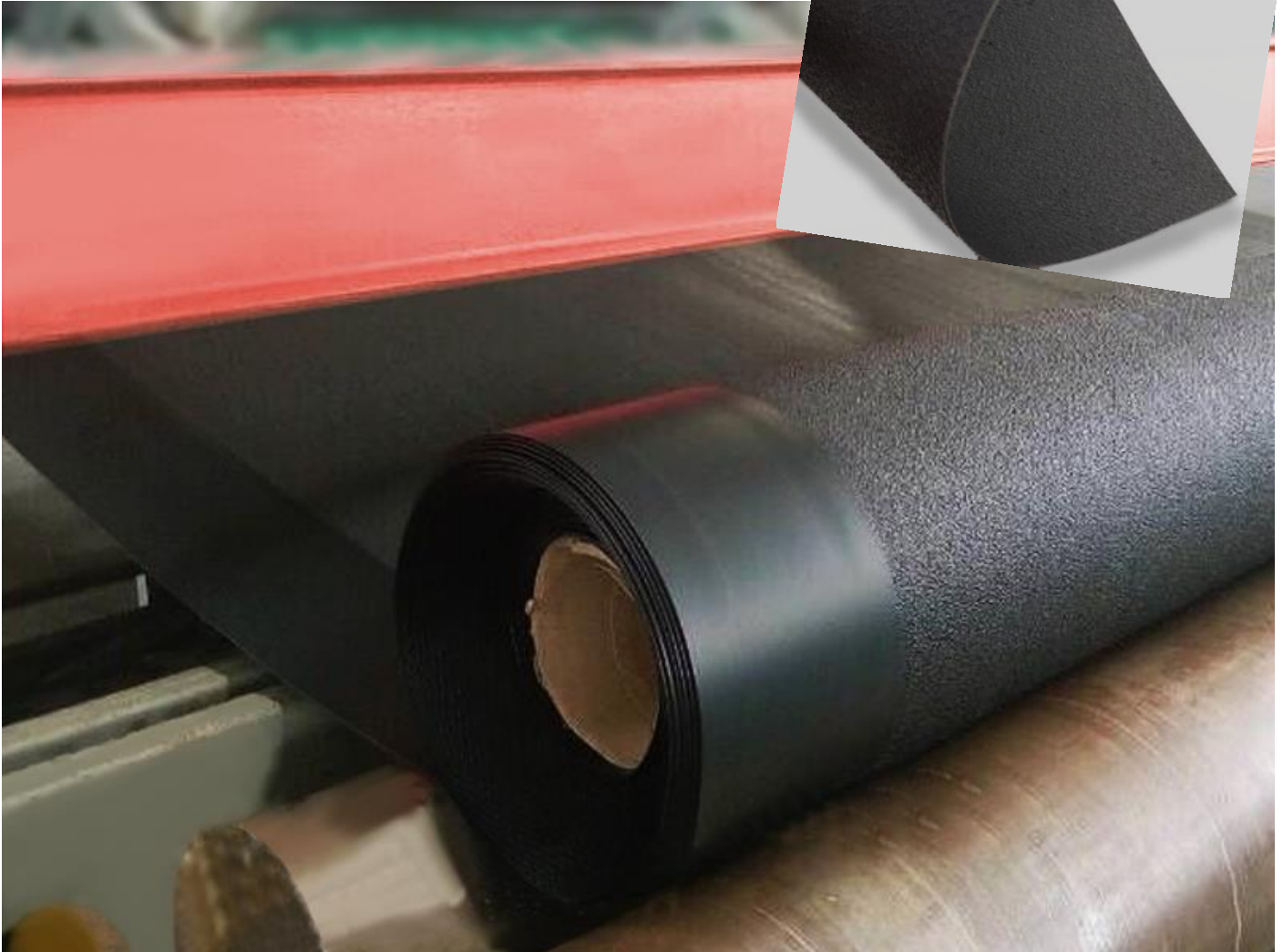


# Gulnar Plastics Pvt. Ltd.

Unit No. 2, First Floor, Mahalaxmi Industrial Estate,  
Gandhi Nagar, Lower Parel (w), Mumbai 400013, India



## HDPE Geomembrane Textured



HDPE geomembranes surfaces are made in smooth and textured surfaces. They come in combinations of smooth/smooth, smooth/textured and textured/textured surfaces. The surface for use is vastly dependent on the application and the requirement. Textured finishes provide higher friction angles to prevent slippage of adjacent materials when lining steep slopes. This product is used in applications that require increased frictional resistance, excellent chemical resistance and endurance properties.

They are widely used in Aquaculture, Mining, Water and Solid Waste Management, Fluid Conveyance and Containment, Coal Ash Ponds, Waste containment, Hazardous Waste Landfills and many other applications.



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## HDPE Geomembrane Textured

PERFORMANCE PROPERTIES						
Property	Test Method	JFSTL & JFTTL	JFSTL & JFTTL	JFSTL & JFTTL	JFSTL & JFTTL	JFSTL & JFTTL
		750	1000	1500	2000	2500
Minimum Average Values						
Thickness, mm	ASTM D 5199	0.75	1	1.5	2	2.5
Thickness, mil (Lowest Individual - 10%)		30	40	60	80	100
Density, g/cm <sup>3</sup>	ASTM D 1505	0.94	0.94	0.94	0.94	0.94
Tensile Properties (each direction)	ASTM D 6693					
1. Strength at Yield, N/mm width	Type IV Specimen	11	15	23	30	37
2. Strength at Break, N/mm width	,@ 51 mm/min	8	11	16	21	27
3. Elongation at Yield, %	G.L.33mm	13	13	13	13	13
4. Elongation at Break, %	G.L.50mm	100	100	100	100	100
Tear Resistance, N	ASTM D 1004	93	125	187	249	311
Puncture Resistance, N	ASTM D 4833	240	280	415	530	690
Oxidative Induction Time (Standard; S-OIT)	ASTM D 3895	100	100	100	100	100
Oxidative Induction Time (High Pressure; HP-OIT)	ASTM D 5885	400	400	400	400	400
Carbon Black Content,%	ASTM D 1603	2.0 – 3.0	2.0 – 3.0	2.0 – 3.0	2.0 – 3.0	2.0 – 3.0
Carbon Black Dispersion	ASTM D 5596	Satisfactory	Satisfactory	Satisfactory	Satisfactory	Satisfactory

TYPICAL ROLL DIMENSIONS						
Dimension		JFSTL & JFTTL	JFSTL & JFTTL	JFSTL & JFTTL	JFSTL & JFTTL	JFSTL & JFTTL
		750	1000	1500	2000	2500
GSM (gm/m <sup>2</sup> )		705	940	1410	1880	2350
Width of Roll, m		6	6	6	6	6
Length of Roll, m (Approximate)		200	150	100	100	100
Meter in Roll (Approximate)		1200	900	600	600	600
Weight of Roll, kg (Approximate)		846	846	846	1128	1410
40' Standard Container, roll		23	23	23	17	13
40' Standard Container, m <sup>2</sup>		27600	20700	13800	10200	7800

\*JFSTL – Smooth / Textured  
\*JFTTL – Textured / Textured

Release Date: Aug 2, 2017

These values are typical data and are not intended as limiting specifications and are subject to tolerances.

### Notes:

While we believe the specification and properties to be reliable, the statements and information contained herein are only for general guidance and are not warranties or guarantees for accuracy and completeness. The user must, by test or otherwise, determine suitability of the products for the purpose it is being used. There is no warranty of fitness for a particular purpose. Our standard term and conditions of sale apply exclusively to all orders, and all liability for damages of any kind, including consequential, exceeding purchase price is excluded. No one is authorized by us to make oral warranties. We reserve the right to make changes without notice or obligation in our products and publications.

