

PROPERTY <sup>(1)</sup>	TEST METHOD	FREQUENCY	UNIT Metric	1120116
<b>SPECIFICATIONS</b>				
Thickness (Nominal ±10%) (11)	ISO 9863-1	-	mm	1.50
Melt Index - 190°C/2.16 kg (max.)	ISO 1133-1	Certified	g/10 min	1.0
Geomembrane Density	ISO 1183-1	1/Batch	g/cc	≥ 0.940
Carbon Black Content	ASTM D4218	Every 2 rolls	%	2.0 - 3.0
Carbon Black Dispersion	ASTM D5596	Every 10 rolls	Category	Cat. 1 / Cat. 2
OIT - standard (min. avg.)	ASTM D3895	Per formulation	min	100
Tensile Properties (min. avg) (2)	ISO 527-3	Every 5 rolls		
Strength at Yield			MPa	16
Elongation at Yield			%	9
Strength at Break			MPa	26
Elongation at Break			%	700
Tear Resistance (min. avg.) (MD/CMD)	ISO 34-1/B	Every 10 rolls	N	189
Puncture Resistance (min. avg.)	ISO 12236	Every 10 rolls	N	3300
Dimensional Stability (12)	DIN 53377	Certified	%	± 2
Stress Crack Resistance (SP-NCTL)	ASTM D5397	1/Batch	hr	500
Oven Aging - % retained after 90 days	ASTM D5721	Per formulation		
HP OIT (min. avg.)	ASTM D5885		%	80
UV Res. - % retained after 1600 hr	ASTM D7238	Per formulation		
HP-OIT (min. avg.)	ASTM D5885		%	50
<b>SUPPLY SPECIFICATIONS(Roll dimensions may vary ±1%)</b>				
Roll Dimension - Width	-		m	7.00
Roll Dimension - Length	-		m	150.0
Area (Surface/Roll)	-		m <sup>2</sup>	1050.00

## NOTES

1. Testing frequency based on standard roll dimensions.
2. Machine Direction (MD) and Cross Machine Direction (CMD). Type 5; 100 mm/min; lo=50 mm.
11. The minimum average thickness is ±10% of the nominal value.
12. 120°C, 1 hour.

\* All values are nominal test results, except when specified as minimum or maximum.

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