

PROPERTY ⁽¹⁾	TEST METHOD	FREQUENCY	UNIT Metric	1086342
SPECIFICATIONS				
Thickness (Nominal ±5%) (11)	EN 1849-2	-	mm	1.50
Asperity Height (min. avg.)	ASTM D7466	Every roll	mm	0.40
Melt Index - 190°C/5.0 kg (max.)	ISO 1133-1	Per formulation	g/10 min	3.5
Density	ISO 1183-1	Per formulation	g/cm ³	≥ 0.940
OIT - Standard (min. avg.)	ASTM D3895	Per formulation	min	100
Tensile Properties (min. avg.) (2)	ISO 527-3	Every 2 rolls		
Strength at Yield			kN/m	23
Strength at Break			kN/m	40
Elongation at Yield (nom.) (4)			%	10
Elongation at Break (Nom.) (5)			%	700
Tear Resistance (min. avg.)	ISO 34-1/B	Every 5 rolls	N	187
Puncture Resistance (CBR) (min. avg.)	ISO 12236	Every 5 rolls	kN	3.0
Oven Aging - % retained after 90 days	ASTM D5721	Per formulation		
OIT - Standard (min. avg.) (7)	ASTM D3895		%	55
HP-OIT (min. avg.) (7)	ASTM D5885		%	80
UV Resistance - % retained after 1,600 hr	ASTM D7238	Per formulation		
HP-OIT (min. avg.)	ASTM D5885		%	50
SUPPLY SPECIFICATIONS(Roll dimensions may vary ±1%)				
Roll Dimension - Width	-		m	7.00
Roll Dimension - Length	-		m	110.0
Area (Surface/Roll)	-		m ²	770.00

NOTES

1. Testing frequency based on standard roll dimensions.
2. Specimens are cut in the smooth edges.
4. Minimum average: ±10% tolerance.
5. Minimum average: ±7% tolerance.
7. The manufacturer has the option to select either one of the OIT methods listed to evaluate the antioxidant content in the geomembrane.
11. The minimum average thickness is ± 5% of the nominal value.

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

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