

PROPERTY ⁽¹⁾	TEST METHOD	FREQUENCY	UNIT Metric	1120283
SPECIFICATIONS				
TESTED PROPERTY	-	-		
Thickness (11)	ISO 9863-1	Every roll	mm	1.50
Density (max.)	ISO 1183-1	Every 10 rolls	g/cm ³	0.939
Carbon Black Content	ASTM D4218	Every 10 rolls	%	2.0 - 3.0
Carbon Black Dispersion	ASTM D5596	Every 10 rolls	Category	Cat. 1 / Cat. 2
Tensile Properties (2)	ISO 527-3	Every 5 rolls		
Strength at Break			MPa	33 (26)
Elongation at Break			%	900 (750)
Tear Resistance (MD/CMD)	ISO 34-1/B	Every 10 rolls	N	175 (165)
Puncture Resistance	ISO 12236	Every 50 rolls	N	3,500 (3,100)
Oxidative Induction Time (OIT)	ASTM D3895	Every 50 rolls	min	100
REFERENCE PROPERTY	-	-		
Melt Index - 190°C/5.0 kg (max.)	ISO 1133-1	Per formulation	g/10 min	3.0
Melt Index - 190°C/2.16 kg (max.)	ISO 1133-1	Per formulation	g/10 min	1.0
UV Resistance	ASTM D7238	Per formulation		
% HP-OIT retained after 1600 hr	ASTM D5885		%	35
Oven Aging - % retained after 90 days	ASTM D5721	Per formulation		
STD OIT (min. avg.)	ASTM D3895		%	35
HP OIT (min. avg.)	ASTM D5885		%	60
Multi-Axial Tensile	ASTM D5617	Per formulation	%	30
Low Temperature Brittleness	ASTM D746	Certified	°C	- 77
Dimensional Stability (12)	DIN 53377	Certified	%	± 2
SUPPLY SPECIFICATIONS(Roll dimensions may vary ±1%)				
Roll Dimension - Width	-		m	7.50
Roll Dimension - Length	-		m	140.0
Area (Surface/Roll)	-		m ²	1050.00

NOTES

1. Testing frequency based on standard roll dimensions.
2. Values in brackets are minimum average, the ones in front are nominal. Machine Direction (MD) and Cross Machine Direction (CMD). Type 5; 100 mm/min; lo=50 mm.
10. Dispersion only applies to near spherical agglomerates. 9 of 10 views shall be category 1 or 2. No more than 1 view from category 3.
11. Minimum average thickness, lowest individual ±5 % related to the actual thickness.
12. 100°C, 1 hour.

* All values - unless otherwise noted - are nominal values.

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