



TECHNICAL SPECIFICATION

Horizon Pulp & Paper Ltd.

Member of Tolaram Group – Singapore

100% Virgin Long Fibre SEMI-EXTENSIBLE Sack Kraft Paper

Produced in PM1/2 with maximum deckle 3660/3060 mm

No.	Term	Unit, SI System	Value	Value	Value	Value	SD	Standard
1.	Basis Grammage	g/m ²	70	80	90	100	+/-3 g/m ²	ISO 536
2.	Tensile Strength	KN/m						
		MD	5,5	6,0	7,2	7,3	7,5%	ISO 1924-3
		CD	3,5	3,7	4,1	4,6	7,5%	
3.	Stretch at Break	%						
		MD	6,0	6,0	6,0	6,0	5,0%	ISO 1924-3
		CD	7,0	7,0	7,0	7,0	7,5%	
4.	Tensile Energy Absorption (TEA)	J/m ²						
		MD	190	210	240	250	7,5%	ISO 1924-3
		CD	155	180	190	205	7,5%	
5.	Tensile Energy Absorption Index (TEA Index)	J/g						
		MD	2,7	2,7	2,6	2,5	7,5%	ISO 1924-3
		CD	2,2	2,2	2,1	2,05	7,5%	
6.	Tear Strength	mN						
		MD	1050	1200	1350	1500	7,5%	ISO 1974
		CD	1330	1520	1710	1900	7,5%	
7.	Wire Side Surface Water Absorption (COBB 60)	g/m ²	30	30	30	30	5,0%	ISO 535
8.	Porosity (Gurley)	s	18	18	18	18	10,0%	ISO 5636-5
9.	Moisture Content	% of weight	5,5-7,5	5,5-7,5	5,5-7,5	5,5-7,5		ISO 287

Values are tested at 23 °C and 50 % RH. Maximum limits by “Average-2SD”

Date of review: 03.01.2025