

# Horizon MoistResist®

## Semi Wet Strength Paper



### Technical Data Sheet

#### End uses:

Horizon MoistResist Semi is a wet strength unbleached virgin kraft paper with high strength and resistance under wet conditions. The paper is specially designed for the agricultural bags like potatoes, fruits as well as green and household waste bags. Also used for twisted yarn and furniture application.

#### Grammage:

MoistResist Semi is available from 70 to 100 g/m<sup>2</sup>.

#### Certifications:

1. Companies supply chain is certified with FSC®-C105665 (Forest Stewardship Council®).
2. Horizon Pulp & Paper quality management system is certified with ISO9001.
3. Horizon Pulp & Paper environmental management system is certified with ISO14001.
4. Certificate of compliance confirming the paper can stand in direct contact with food by ISEGA.

Properties							Test method
Basis Grammage	g/m <sup>2</sup>	70	80	90	100	+/-3 g/m <sup>2</sup>	ISO 536
Wet Strengthness based on Tensile	%	up to 28	up to 28	up to 28	up to 28		ISO 3781
Moisture Content	% of weight	5,5-7,5	5,5-7,5	5,5-7,5	5,5-7,5		ISO 287
Tensile Strength MD	KN/m	5,1	5,6	6,7	6,8	7,5%	ISO 1924-2
Tensile Strength CD	KN/m	3,3	3,4	3,8	4,3	7,5%	ISO 1924-2
Elongation MD	%	5,8	5,8	5,8	5,8	7,5%	ISO 1924-2
Elongation CD	%	6,5	6,5	6,5	6,5	7,5%	ISO 1924-2
Tensile Energy Absorption ( TEA )	J/m <sup>2</sup> MD CD	182 147	200 168	216 180	230 190	7,5%	ISO 1924-2
Tensile Energy Absorption Index MD	J/g	2,6	2,5	2,4	2,3	7,5%	ISO 1924-2
Tensile Energy Absorption Index CD	J/g	2,1	2,1	2,0	1,9	7,5%	ISO 1924-2
Wire Side Surface Water Absorption (COBB 60)	g/m <sup>2</sup>	30	30	30	30	5,0%	ISO 535

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

Dated: 01.03.2022

[www.horizon.ee](http://www.horizon.ee)