



Horizon InnerBarrier™

Insulation Paper

Technical Data Sheet

End uses:

Horizon InnerBarrier paper is the high quality unbleached virgin kraft paper, that guarantees superior insulation properties due to the use of special pulp in the manufacturing process. It is neutral pH paper with high stretch properties and finds usage in telephone cables, communication cables and other low voltage application.

Grammage:

Horizon Insulate is available from 70 to 100 g/m².

Certifications:

1. Companies supply chain is certified with FSC®-C129248 (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 by ISEGA for direct contact with food.
5. Anthraquinone free issued by SGS.
6. Compostability issued by ISEGA.

Properties		Typical value				SD	Test method
Basis Grammage	g/m ²	70	80	90	100	+/-3 g/m ²	ISO 536
pH-value in the Water extract		7,0-9,0	7,0-9,0	7,0-9,0	7,0-9,0		ISO 6588-1
Ash content	%, max	2,0	2,0	2,0	2,0		ISO 2144:2015
Tensile Strength MD	KN/m	5,5	6,0	7,2	7,3	7,5%	ISO 1924-3
Tensile Strength CD	KN/m	3,5	3,7	4,1	4,6	7,5%	ISO 1924-3
Elongation MD	%	6,0	6,0	6,0	6,0	7,5%	ISO 1924-3
Elongation CD	%	7,0	7,0	7,0	7,0	7,5%	ISO 1924-3
TEA Index MD	mN/ m ²	2,7	2,6	2,6	2,5	7,5%	ISO 1924-3
TEA Index CD	mN/ m ²	2,2	2,2	2,1	2,0	7,5%	ISO 1924-3
Tear Strength MD	mN	1050	1200	1350	1500	7,5%	ISO 1974
Tear Strength CD	mN	1330	1520	1710	1900	7,5%	ISO 1974
Wire Side Surface Water Absorption (COBB 60)	g/m ²	30	30	30	30	10%	ISO 535
Moisture Content	% of weight	5,5-7,5	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".

Dated: 01.03.2022