

Technical Data Sheet

Advantage Semi Extensible

End-uses:

Advantage Semi Extensible is an unbleached extensible sack kraft paper combining **high tensile energy absorption (TEA)** and **excellent runnability**. We especially recommend its use when high strength and best conversion properties are required.

Options:

Advantage SE is also available in wet strength quality.

Grammages:

Advantage SE is available in a basis weight range of 70 to 100 g/m².

Materials:

Advantage SE is made of pure unbleached long-fibre sulphate pulp.

Approvals:

The paper fulfils the German, CONEG and FDA regulations for papers in contact with foodstuffs.

Certification:

Production of Advantage SE is certified according to the quality management system ISO 9001 and the environmental management system ISO 14001.

Properties		Test method		Typical values		
Basis weight	g/m ²	ISO 536		70	75	80
Tensile strength	kN/m	ISO 1924-3	MD CD	5.6 4.1	6.0 4.4	6.4 4.6
Tensile index	Nm/g	ISO 1924-3	MD CD	80 58	80 58	80 58
Stretch at break	%	ISO 1924-3	MD CD	5.8 7.4	5.8 7.4	5.8 7.4
Tensile Energy Absorption (TEA)	J/m ²	ISO 1924-3	MD CD	200 200	215 215	230 230
TEA index	J/g	ISO 1924-3	MD CD	2.9 2.9	2.9 2.9	2.9 2.9
Tear index	mN.m ² /g	ISO 1974	MD CD	10.5 11.5	10.5 11.5	10.5 11.5
Air resistance	s	ISO 5636-5		15	15	15
Cobb 60"	g/m ²	ISO 535		32	32	32
The table above shows typical values for certain basis weights.						
Validity: 01.01.2020 – 31.12.2020				Test conditions: ISO 554 – 1976 (23 ± 1 °C / 50 ± 2 %)		

MD= Machine Direction CD= Cross Direction

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Properties		Test method		Typical values		
Basis weight	g/m ²	ISO 536		85	90	100
Tensile strength	kN/m	ISO 1924-3	MD	6.8	7.2	8,0
			CD	4.9	5.2	5.8
Tensile index	Nm/g	ISO 1924-3	MD	80	80	80
			CD	58	58	58
Stretch at break	%	ISO 1924-3	MD	5.8	5.8	5.8
			CD	7.4	7.4	7.4
Tensile Energy Absorption (TEA)	J/m ²	ISO 1924-3	MD	245	260	290
			CD	245	260	290
TEA index	J/g	ISO 1924-3	MD	2.9	2.9	2.9
			CD	2.9	2.9	2.9
Tear index	mN.m ² /g	ISO 1974	MD	10.5	10.5	10.5
			CD	11.5	12.0	12.0
Air resistance	s	ISO 5636-5		15	15	15
Cobb 60"	g/m ²	ISO 535		32	32	32
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