

NaturaFluff by Stora Enso

TCF Absorb



Product description

NaturaFluff TCF Absorb is a totally chlorine-free softwood sulphate untreated fluff pulp, with good absorption and liquid spreading properties.



Raw material

NaturaFluff is made from northern softwood, pine and spruce, grown in Sweden. Our wood comes from sustainably managed forests and is 100% traceable. NaturaFluff is available in FSC® and/or PEFC™ certifications upon request.



Typical end-uses

NaturaFluff is most commonly used as a raw material in baby diapers, incontinence products, feminine care and air-laid products. Our TCF Absorb grade is perfect for use in any absorption core due to its superior absorption and liquid spreading properties. Our TCF Absorb is best suited for more environmentally friendly products.

Maximal performance, minimal impact on the environment.
NaturaFluff by Stora Enso connects nature and future. A renewable raw material with excellent properties: absorption, softness and strength.





NaturaFluff TCF Absorb

Physical and chemical properties

Analysis	Unit	Method	Target
Moisture	%	ISO 287	8
Basis weight wet	g/m ²	ISO 536	815
Thickness	mm	ISO 534	1.46
Apparent density	kg/m ³	ISO 534	560
Burst strength (Mullen)	kPa	ISO 2759	1140
Fibre length (length weighted)	mm	Metso Pulp Expert	2.05
Brightness ISO	%	ISO 2470	86
Acetone soluble matter	%	ISO 14453	0.05
pH	-	ISO 6588	6
AOX	mg/kg	ISO 9562.2004	0.0

Fluff properties

Analysis	Unit	Method	Target
Disintegration energy	kJ/kg	Kamas H01	145
Knot content	%	Alpine Air Jet Sieve 200 LS-N	8
Absorption time	s/3 g	SCAN C 33:80	2.6
Absorption capacity	g H ₂ O/g	SCAN C 33:80	9.3
Specific volume, dry	dm ³ /kg	SCAN C 33:80	21.5

Disintegration at 3600 rpm in a conditioned environment.

Skutskär Mill

Skutskär Mill is located about 160 km north of Stockholm, in Sweden. About 400 people work here to ensure the mill always runs. The sulphate mill produces fluff pulp and bleached paper pulp. The total annual capacity is about 540,000 tonnes, whereof fluff pulp can be up to ca 415,000 tonnes. The mill is operated using fossil-free energy to 99,9%. Located by the water, with access to all types of transportation, the mill supplies customers in Europe and all over the world with fast and accurate deliveries.



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Product packaging

Reels dimensions

Reel widths, mm	500 (other widths can be produced upon request)
Reel diameters, mm	1200 or 1500
Core diameters, mm	inside 102 or 76, outside 122

Wrapping

Wrapped with PE Plastic film and reels sides covered with corrugated fibre board

Labelling

Each reel has an individual label and each unit which consists of several reels has a unit label

100% of our wood is traceable to its area of origin.

We actively work with our stakeholders to promote sustainable forest management and the wider use of certification systems. As certification programs cover all three aspects of sustainability, they are a reliable indicator of responsible forestry. Forest certification schemes also ensure that improvements in efficiency do not compromise the ecological and social sustainability of our productive forests.



Ecolabels and certificates

Certificate	Certificate number	Expiration date
Environmental management (ISO 14001)	136766-2013-AE-FIN-FINAS	29 May 2022
Business excellence (ISO 9001)	136764-2013-AQ-FIN-FINAS	29 May 2022
Health and safety (OHSAS 18001)	136763-2013-AHSO-FIN-FINAS	12 March 2021
Chain-of-custody (PEFC™)	136390-2013-AE-FIN-FINAS	20 May 2022
Chain-of-custody (FSC®)	DNV-COC-000692 , DNV-CW-000692	21 May 2023
Energy management (ISO 50001)	247212-2017-AE-FIN-FINAS	21 August 2021

All our NaturaFluff grades fulfill the requirements of all common eco-labels such as the EU Eco label, Nordic Swan, Blue Angel, Asthma and Allergy certification, among others.

General trade rules

Stora Enso works in accordance with the general trade rules for wood pulp set by the European Pulp Industry Sector Association. More information is available on their website www.epis.org

Looking for more information about us? Searching for contact details? Visit our website www.storaenso.com

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