

Nonwovens Markets



Methodology and price specifications – September 2020

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Mission statement

Fastmarkets is a leading commodity price reporting agency (PRA) covering the metals, mining, minerals and forest products industries. Our products include Metal Bulletin, American Metal Market, RISI, FOEX, Random Lengths, AgriCensus and Industrial Minerals. For more than 100 years we have been providing commodities price reporting services for use by market participants in their day-to-day commercial activities. These services include assessments and indices of commodity prices as well as news, research and commentary on the underlying markets.

Our mission is to meet the market's data requirements honestly and independently, acting with integrity and care to ensure that the trust and confidence placed in the reliability of our pricing methodologies is maintained. We do not have a vested interest in the markets on which we report.

Introduction

Fastmarkets RISI is the leading global provider of pricing intelligence for the pulp and paper markets and has been producing price assessments since the 1970's.

Fastmarkets' reporters are required to abide by a code of conduct and clear pricing procedures during their market reporting and pricing activities. Fastmarkets is completely independent and has no vested commercial interest in any of the markets it prices.

We are the world's largest dedicated forest products price reporting team. We have offices in New York, Boston, San Francisco, Eugene, Charlottesville, Atlanta, Brussels, Helsinki, Beijing, Shanghai, Singapore and Sao Paulo.

The aim of this document is to provide a clear overview of Fastmarkets RISI's Global Pulp methodology and specifications for the prices it assesses. If you have any questions, please contact Fastmarkets Forest Products' Senior VP of Indices, Matt Graves, at matt.graves@fastmarkets.com.

Price discovery process and methodology

Methodology Rationale

Fastmarkets RISI produces independent, fair and representative price assessments and indices for nonwovens on a monthly basis. Fastmarkets RISI's rationale is to adopt and develop the price discovery process and the methodology described in the present guide to produce assessments that are a consistent and representative indicator of value of the market to which they relate for the trading period they measure.

During the price discovery process, the price reporter's goal is to discover at what representative level market participants have concluded business, made offers or received bids over a certain defined trading period. Prices are assessed during the calendar month in which they are to be published in the Nonwovens Markets Price Bulletin.

The gathering of prices can begin as early as the 1st of the month; it can be completed on the day before the date of publication of the Nonwovens Markets Price Bulletin. Most of the data collection and assessment happens in the two weeks before the date of publication. The published assessment represents the range of prices at which the bulk of transactions take place.

The time period, or window, identified to assess a market (e.g., daily, bi-weekly, weekly, monthly) is determined by Fastmarkets RISI after considering the number of data points that Fastmarkets RISI can reasonably expect to collect on a consistent basis over the selected period to support the price assessment process.

Data collection criteria

Fastmarkets RISI reporters aim to talk to a broad sample of market participants specifically involved in the buying and selling of the nonwovens product of interest, with a good representation of both sides of the market, including producers and consumers, as well as traders.

Data is collected from market participants directly involved in spot and contract business primarily by telephone, but also by email, digital messaging or direct submission. All input data received is kept confidential and stored in a secure network.

Fastmarkets RISI encourages organizations to submit all their pricing data, especially all the concluded transactions. Depending on market liquidity, Fastmarkets RISI reserves the right to also base its prices on bids, offers, deals heard and market participants' assessment or indication of prevailing values.

Fastmarkets RISI welcomes organizations to submit transaction data from authorized back office functions.

Price specifications and reference units

Fastmarkets RISI has clear specifications for all the price points that it covers. All the reference units, such as currency and volume, are in line with recognized nonwovens markets trading conventions.

Fastmarkets RISI's specifications detail the material's characteristics or quality, location, incoterm, payment terms and the minimum volume accepted. These specifications are determined in consultation with market participants and following industry convention. Reporters ensure that the information they receive matches these specifications.

Fastmarkets RISI nonwovens assessments reflect the prevailing domestic market price, before specific customer discounts, negotiated between contract parties against an annual commitment to supply or procure regular volumes. In the absence of any outright contract price information, Fastmarkets RISI reserves the right to consider other business, such as export transactions or spot sales, if appropriate, and to normalize these to include them in the assessment.

Guidelines on the use of judgement

To produce the price assessment, greater weighting is generally given to actual concluded transaction data; bids/offers are second in order of importance, followed by data sources' own assessment of the market when they have no business to report. However, other considerations might also intervene such as, the trustworthiness of a data source based on past data submissions, or their willingness to provide data on a consistent basis.

In the absence of sufficient transaction data, bids and offers or other actual price information, RISI reserves the right to use other factors to determine the assessment. These include:

- market participants' trigger prices;
- market participants' reports of the change in prices from previously assessed periods;
- market fundamentals such as changes in inventory levels, shipments, operating rates and export volumes;
- relative values of similar commodities in the same region;
- relative values of the same commodity in different regions;
- changes in the value of the commodity's primary feedstock or primary derived product(s).

In very opaque markets, where little actual market data is available, price developments may at times not be immediately apparent. If Fastmarkets RISI price assessors detect this, their market assessments in the next reporting period would generally reflect the price change. This is in line with Fastmarkets RISI's policy of acting on new information as it becomes available.

All Fastmarkets RISI price specifications define the minimum lot size accepted. When volume information is available, this is also taken into consideration in the assessment process. For instance, typically a deal with a bigger volume will carry more weight in the price reporter judgement than a smaller volume transaction. However, price reporters will also consider, for instance, to normalize or discard a price reported for a deal with an abnormally large or small volume.

As commodity markets differ in liquidity level at different periods, the methodology does not set any minimum number, or threshold, of transactions to be gathered on which to base the assessment.

The weighting of any single data provider's data is limited so that it doesn't dominate the assessment. For most nonwovens assessments the cap is set at 50%.

Criteria to discard pricing data

Data are excluded from the assessment in the following cases:

- The price of a transaction is indexed to published prices from Fastmarkets RISI or other sources.
- A transaction price is considered "indexed" when it is entirely determined according to a formula based on a published price assessment. However, even when parties have a long-term index-priced contract (i.e. stipulation that each month's price will be determined based on a published price assessment), they may sometimes supersede the contract terms by choosing to determine a given month's price by negotiation. For instance, this can happen if parties negotiate and agree on the price for a given month before that month's Fastmarkets RISI price assessment has been published. In a case like this, even though the overall contract is indexed, the given month's price is not considered indexed and would thus be included in that month's price assessment.
- The transactions don't meet the assessment specifications.
- The transaction has special circumstances that, in the price assessor's judgment, render it unrepresentative of the broader market and/or not repeatable.
- The transaction is between affiliated companies.

Procedure to ensure consistency in the price discovery procedures

Price reporters are formally trained in the price discovery process and must abide by a written Code of Conduct and pricing procedures.

On a regular basis, Fastmarkets RISI staff review markets and methodologies to ensure that assessment methodologies and the assessments they produce are appropriate for the market. Fastmarkets RISI has also committed to conducting one external audit per year of one key assessment.

Publication of the price assessment

At the end of the pricing session, Fastmarkets RISI reviews the pricing information it receives to set a price range to reflect the representative spread of prices at which business has been transacted, offered or bid. In some markets Fastmarkets RISI may also publish a single point price reflecting the average prevailing market value.

For Fastmarkets RISI's full publishing schedule for nonwovens markets, please see [here](#).

Methodology review and consultation process

Fastmarkets' editorial teams carry out a formal review and approval of its methodologies on an annual basis. The process starts with an open consultation in which feedback is invited from users. Further consultation follows should any material change to the methodology be proposed. Material changes are those that, once implemented, may result in fundamental changes to the published price.

At the end of the consultation process, the editorial teams review any feedback received and decide on whether a change should be made before announcing and explaining that decision to the market via a pricing notice/coverage note. The editorial teams may also suggest changes or additions to methodologies on an ad-hoc basis to reflect market developments, in which case they will follow the same process as outlined for formal reviews.

For more details, please refer to Fastmarkets' Methodology Review and Change Consultation Process document available on the Fastmarkets website, as well as on divisional websites such as Fastmarkets MB, Fastmarkets RISI or Fastmarkets FOEX.

Price correction policy

Publication of price errors can occasionally happen for reasons that may include technical input errors or incorrect application of the methodology. To minimize the inconvenience to our subscribers, Fastmarkets RISI aims to investigate each error as soon as it becomes aware of it and to publish a correction promptly on our website through a coverage note with an explanation of the reason for the correction.

Fastmarkets RISI will publish a correction of a price only where it has established undeniably that there has been an error. Fastmarkets RISI price assessments are produced based on the best data available at the time of the assessment. It will not retroactively change a price based on new information or additional submission of data received after a respective pricing session has closed.

Occasionally, in very opaque markets, price developments may not become apparent for some time. If this happens, Fastmarkets RISI reserves the right to adjust a price series upwards or downwards to bring it

back in-line with market values. Such cases should not be considered corrections but rather non-market price adjustments. A retroactive correction of the price history would not normally be made.

Fastmarkets RISI has a very structured process for such non-market adjustments, similar to that for changes to methodologies and specifications. They would only be implemented after industry consultation. Ample notice would be given of the proposed adjustment and stakeholders would have the chance to send their feedback.

Queries and complaints

Fastmarkets RISI encourages engagement from the market on its pricing principles and methodology. The company promotes understanding of its pricing procedures and is committed to responding to requests for further information and clarification on a timely basis.

There are multiple channels for interaction with the pricing team including email, telephone and instant messenger services.

If a user has an issue with the published prices, then they may contact the pricing team. In the event that the response is not satisfactory the issue may be escalated to the internal compliance department. For more details refer to Fastmarkets' Complaint Handling Policy available on the Fastmarkets RISI website.

Fastmarkets RISI takes all queries and complaints seriously and will seek to provide an explanation of the prices wherever possible. It is important to note, however, that input data remain confidential and cannot be provided to third parties.

Become a contributor to the price discovery process

Fastmarkets continually seeks to increase the number of market sources willing to take part in the price discovery process. The main condition Fastmarkets requires from contributors is for them to be active participants in the market. Fastmarkets' Data Submitter Policy provides guidelines defining the high level of data quality and integrity that Fastmarkets expects from contributing organization providing pricing data. Market participants that wish to provide pricing data and be part of the price discovery process should first read the Data Submitter Policy available on the Fastmarkets website.

All data sources are subject to review before their data submitted is fully taken into account in the pricing process. The aim is to make sure that submitters are trustworthy and have sufficient visibility and understanding of the market to be able to provide viable price data.

If you want to become a contributor to Fastmarkets pricing or have questions or comments about the methodology and price specifications, please contact Fastmarkets Forest Products Senior VP of Indices, Matt Graves, at matt.graves@fastmarkets.com.

Price specifications

STAPLE FIBER

North America

Assessment: **Polyester (1.5 den.)**

Quantity: min. 100 tonne/month

Location: North America

Incoterm: Delivered

Timing: Prices reflect orders taken in the month to date for shipment in the current or following month.

Unit: LB

Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Range

Publication: Monthly. Usually last Wednesday of the month.

Price ID: 1097

Assessment: **Polyester (4.0 den., PET/PET bico)**

Quantity: min. 100 tonne/month

Location: North America

Incoterm: Delivered

Timing: Prices reflect orders taken in the month to date for shipment in the current or following month.

Unit: LB

Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Range

Publication: Monthly. Usually last Wednesday of the month.

Price ID: 1206

Assessment: **Polyester (6.0 den.)**

Quantity: min. 100 tonne/month

Location: North America

Incoterm: Delivered

Timing: Prices reflect orders taken in the month to date for shipment in the current or following month.

Unit: LB

Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Range

Publication: Monthly. Usually last Wednesday of the month.

Price ID: 1207

Assessment: **Polypropylene, thermalbond grade (1.5 to 2.2 den.)**

Quantity: min. 100 tonne/month
Location: North America
Incoterm: Delivered
Timing: Prices reflect orders taken in the month to date for shipment in the current or following month.
Unit: LB
Currency: US Dollar
Payment terms: Assume normal and customary payment terms.
Price Type: Range
Publication: Monthly. Usually last Wednesday of the month.
Price ID: 1098

Assessment: **Polypropylene, industrial grade (4.0 to 10.0 den.)**

Quantity: min. 100 tonne/month
Location: North America
Incoterm: Delivered
Timing: Prices reflect orders taken in the month to date for shipment in the current or following month.
Unit: LB
Currency: US Dollar
Payment terms: Assume normal and customary payment terms.
Price Type: Range
Publication: Monthly. Usually last Wednesday of the month.
Price ID: 1099

Assessment: **Specialty Rayon**

Quantity: min. 100 tonne/month
Location: North America
Incoterm: Delivered
Timing: Prices reflect orders taken in the month to date for shipment in the current or following month.
Unit: LB
Currency: US Dollar
Payment terms: Assume normal and customary payment terms.
Price Type: Range
Publication: Monthly. Usually last Wednesday of the month.
Price ID: 1100

Assessment: **Standard Rayon**

Quantity: min. 100 tonne/month
Location: North America
Incoterm: Delivered
Timing: Prices reflect orders taken in the month to date for shipment in the current or following month.
Unit: LB
Currency: US Dollar
Payment terms: Assume normal and customary payment terms.

Price Type: Range
Publication: Monthly. Usually last Wednesday of the month.
Price ID: 11997

Europe

Assessment: **Polyester (1.5 den.)**
Quantity: min. 100 tonne/month
Location: Europe
Incoterm: Free Delivered
Timing: Prices reflect orders taken in the month to date for shipment in the current or following month.
Unit: Kilogram
Currency: Euro
Payment terms: Assume normal and customary payment terms.
Price Type: Range
Publication: Monthly. Usually last Wednesday of the month.
Price ID: 1110

Assessment: **Polyester (4.0 den., PET/PET bico)**
Quantity: min. 100 tonne/month
Location: Europe
Incoterm: Free Delivered
Timing: Prices reflect orders taken in the month to date for shipment in the current or following month.
Unit: Kilogram
Currency: Euro
Payment terms: Assume normal and customary payment terms.
Price Type: Range
Publication: Monthly. Usually last Wednesday of the month.
Price ID: 1209

Assessment: **Polyester (6.0 den.)**
Quantity: min. 100 tonne/month
Location: Europe
Incoterm: Free Delivered
Timing: Prices reflect orders taken in the month to date for shipment in the current or following month.
Unit: Kilogram
Currency: Euro
Payment terms: Assume normal and customary payment terms.
Price Type: Range
Publication: Monthly. Usually last Wednesday of the month.
Price ID: 1210

Assessment: **Polypropylene, thermalbond grade (1.5 to 3 den.)**

Quantity: min. 100 tonne/month

Location: Europe

Incoterm: Free Delivered

Timing: Prices reflect orders taken in the month to date for shipment in the current or following month.

Unit: Kilogram

Currency: Euro

Payment terms: Assume normal and customary payment terms.

Price Type: Range

Publication: Monthly. Usually last Wednesday of the month.

Price ID: 1111

Assessment: **Polypropylene, industrial grade (over 8.0 den.)**

Quantity: min. 100 tonne/month

Location: Europe

Incoterm: Free Delivered

Timing: Prices reflect orders taken in the month to date for shipment in the current or following month.

Unit: Kilogram

Currency: Euro

Payment terms: Assume normal and customary payment terms.

Price Type: Range

Publication: Monthly. Usually last Wednesday of the month.

Price ID: 1112

Assessment: **Specialty Rayon**

Quantity: min. 100 tonne/month

Location: Europe

Incoterm: Free Delivered

Timing: Prices reflect orders taken in the month to date for shipment in the current or following month.

Unit: Kilogram

Currency: Euro

Payment terms: Assume normal and customary payment terms.

Price Type: Range

Publication: Monthly. Usually last Wednesday of the month.

Price ID: 1113

Assessment: **Standard Rayon**

Quantity: min. 100 tonne/month

Location: Europe

Incoterm: Free Delivered

Timing: Prices reflect orders taken in the month to date for shipment in the current or following month.

Unit: Kilogram

Currency: Euro

Payment terms: Assume normal and customary payment terms.
Price Type: Range
Publication: Monthly. Usually last Wednesday of the month.
Price ID: 11998

POLYMERS AND PULP

North America

Assessment: **Polyester (bottle grade)**

Quantity: min. 1,500 tonne/month

Location: North America

Incoterm: Delivered

Timing: Prices reflect orders taken in the month to date for shipment in the current or following month.

Unit: LB

Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Range

Publication: Monthly. Usually last Wednesday of the month.

Price ID: 1101

Assessment: **Polypropylene (fiber grade)**

Quantity: min. 1,500 tonne/month

Location: North America

Incoterm: Delivered

Timing: Prices reflect orders taken in the month to date for shipment in the current or following month.

Unit: LB

Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Range

Publication: Monthly. Usually last Wednesday of the month.

Price ID: 1102

Assessment: **Superabsorbent polymer**

Quantity: min. 10,000 tonne/year contract

Location: North America

Incoterm: Delivered

Timing: Prices reflect orders taken in the month to date for shipment in the current or following month.

Unit: LB

Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Range

Publication: Monthly. Usually last Wednesday of the month.

Price ID: 1103

Assessment: **Fluff Pulp (US Southern Kraft, Untreated Softwood Rolls)**

Quantity: 1,000-10,000 tonnes

Location: US East

Incoterm: Delivered

Timing: Prices reflect orders taken in the month to date for shipment in the current or following month.

Unit: Tonne

Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Effective List, before regular volume and contract discounts.

Publication: Monthly. Preliminary price on 2nd or 3rd Friday of the month. Final price 2nd to last business day of the month. Prices are published at 3pm ET.

Price ID: 171

Europe

Assessment: **Polyester (fiber grade)**

Quantity: min. 1,500 tonne/month

Location: Europe

Incoterm: Free Delivered

Timing: Prices reflect orders taken in the month to date for shipment in the current or following month.

Unit: Kilogram

Currency: Euro

Payment terms: Assume normal and customary payment terms.

Price Type: Range

Publication: Monthly. Usually last Wednesday of the month.

Price ID: 1114

Assessment: **Polypropylene (fiber grade)**

Quantity: min. 1,500 tonne/month

Location: Europe

Incoterm: Free Delivered

Timing: Prices reflect orders taken in the month to date for shipment in the current or following month.

Unit: Kilogram

Currency: Euro

Payment terms: Assume normal and customary payment terms.

Price Type: Range

Publication: Monthly. Usually last Wednesday of the month.

Price ID: 1115

Assessment: **Superabsorbent polymer**

Quantity: min. 10,000 tonne/year contract
Location: Europe
Incoterm: Free Delivered
Timing: Prices reflect orders taken in the month to date for shipment in the current or following month.
Unit: Kilogram
Currency: Euro
Payment terms: Assume normal and customary payment terms.
Price Type: Range
Publication: Monthly. Usually last Wednesday of the month.
Price ID: 1116

Assessment: Fluff Pulp (US Southern Kraft, Untreated Softwood Rolls)

Quantity: 1,000-10,000 tonnes
Location: Europe
Incoterm: Cost, insurance, and freight
Timing: Prices reflect orders taken in the month to date for shipment in the current or following month.
Unit: Tonne
Currency: US Dollar
Payment terms: Assume normal and customary payment terms. 1.5% discount for cash payment or 60 days.
Price Type: Effective List
Publication: Monthly. Preliminary price on 2nd or 3rd Friday of the month. Final price 2nd to last business day of the month. Prices are published at 3pm ET.
Notes: Prices are for prime quality tonnage.
Price ID: 609

Asia

Assessment: Fluff Pulp (US Southern Kraft, Untreated Softwood Rolls)

Quantity: 1,000-10,000 tonnes
Location: China
Incoterm: Cost, insurance, and freight
Timing: Prices reflect orders taken in the month to date for shipment in the current or following month.
Unit: Tonne
Currency: US Dollar
Payment terms: Assume normal and customary payment terms. 1.5% discount for cash payment or 60 days.
Price Type: Net
Publication: Monthly on the 2nd to last business day of the month at 3pm ET.
Notes: Prices are for prime quality tonnage.
Price ID: 14460

Revision History

Changes to methodology and specifications will be tracked here.

September 2020 – Adds section on queries and complaints and China fluff assessments

Fastmarkets RISI launched assessments of fluff plup CIF China in September 2020.

July 2020 – Removes roll goods and cotton prices

Fastmarkets RISI discontinued publication of assessments for roll goods and cotton in July 2020. They were subsequently removed from this methodology guide.

January 2019 – Fastmarkets rebranding

Fastmarkets RISI revamped all methodology and specifications guides, including for Nonwovens Markets, in January 2019 as part of a company-wide rebranding. This was done to improve the consistency of content across all Fastmarkets methodology guides and to give them a common look and feel.

The methodologies were not changed materially during this process, however additional detail was added on minimum transaction volumes considered, assessment windows and whether the assessments were intended to reflect prices at the time of publication or average prices over a certain period prior to that.

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