

Product Specification

AROSURF® PA 777 V

Composition

Cationic/non-ionic proprietary blend, based on vegetable and synthetic raw materials.

Physical properties	
Appearance at 20 °C	Slightly viscous liquid
Colour (Gardner)	Max. 8
Water content	Max. 1 %
pH value (10 % in isopropanol/ water 1 : 1)	5.0 – 8.0

Application fields

AROSURF® PA 777 V is a proprietary blend used in fluff pulp manufacturing for tensile reduction with low impact on absorbency, as well as in tissue and towelling manufacture as softener/debonder for tensile reduction and bulk enhancement in the wet end, especially for recycled fiber.

Benefits

AROSURF® PA 777 V is a hydrophilic, liquid, easy to handle and fully vegetable and synthetic raw material based blend. It absorbs substantively to cellulosic fibers.

AROSURF® PA 777 V is an efficient softener/debonder with low impact on water absorbency of fluff pulp and recycled fiber.

Dosage/Handling

For continuous in-line mixing AROSURF® PA 777 V can be pumped at room temperature from totes with gear or piston pumps to be introduced into the water stream. An in-line static mixer should be used.

Preparation of batch dispersions is also possible. The dilution water should be approximately 20 °C or warmer. The AROSURF® PA 777 V should be warmed to at least 15 °C before adding to the dilution water.

Always add AROSURF® PA 777 V into the water, not vice-versa. If water is added into AROSURF® PA 777 V, undesired gelification might occur. The use of 1 – 6 % dispersions is recommended.

For fluff pulp application, AROSURF® PA 777 V should be added at a dosage of 1 – 4 kg (neat product)/metric ton of pulp to achieve a 50 % tensile reduction. Best results are achieved when AROSURF® PA 777 V is added as a 5 % aqueous dispersion in the wet end. Maximizing contact time of AROSURF® PA 777 V and pulp will ensure complete exhaustion on the fibers.

The actual dosage to achieve a desired tensile reduction will be dependent upon fiber species and pulping method.

Since AROSURF® PA 777 V is an efficient softener/debonder, it can also be utilized in the wet end to provide softening for tissue and towelling products.

The softener/debonder can be applied to the wet end via addition of previously dispersed AROSURF® PA 777 V directly into the furnish. A dosage of 2 – 5 kg/metric ton of dry pulp has been found to provide adequate softness for recycled fiber. If machine runnability is impaired due to the low tensile strength of the recycled fiber, it is recommended to combine the wet end application at lower dosage with an overspray application of AROSURF® PA 777 V dispersion on the felt before the Yankee drier.

Registration status

EINECS, TSCA, DSL, ENCS, ECL, AICS, China Blend – all components listed.

Food Contact Compliance

FDA § 176.170

Components of paper and paperboard in contact with aqueous and fatty foods blend – all components sanctioned.

FDA § 176.180

Components of paper and paperboard in contact with dry food blend – all components sanctioned.

BfR XXXVI (formerly BGVV XXXVI)

Paper and board for food contact blend – all components sanctioned.

Storage stability

We recommend the following storage conditions:

	Storage temperature	Processing time
Drum/container	15 – 25 °C	12 months

Packaging

Bulk

1 000 kg net plastic containers

Hazardous goods classification

Information concerning

- classification and labelling according to regulations for transport and for dangerous substances
- protective measures for storage and handling
- measures in case of accidents and fire
- toxicity and ecological effects

is given in our material safety data sheets.

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Evonik Nutrition & Care GmbH
Goldschmidtstraße 100
45127 Essen, Germany
Phone Europe +49 201 173 2665
Phone Asia +86 21 61191 125
Phone Americas +1 804 727 0700
interface-performance@evonik.com
www.evonik.com/Interface-performance

