OptiPRO[®] 858 modified starch 36968304

OptiPRO® 858 modified starch is a cationic papermaking wet-end dry strength development and retention additive. It is used where maximum dry strength benefits are required along with filler retention, drainage and drying improvements. It is especially proficient when used in highly anionic papermaking machine systems. It also enhances printability of non-surface treated paper grades.

Chemical and Physical Properties

Min.	Max.
-	14.0
5.0	7.0
	Typical
	White
	Powder
	29-35
	Min. - 5.0

Chemical Substitution

Functional quaternary amine modification on tapioca starch.

Preparation

technical specification

Can be batch or jet cooked.

Batch Cooking: Solids - 4% maximum Temperature – 200-205°F (~30 minutes)

let Cooking: Solids – 6% maximum in cooking chamber Temperature – 215-245°F

The optimal cooked starch storage temperature for OptiPRO[®] 858 modified starch is 130-150°F (54-65°C) to prevent amylose retrogradation.

Certification

Kosher pareve

Packaging and Storage

OptiPRO® 858 modified starch is packaged in bulk bags and bulk. OptiPRO® 858 modified starch should be stored in a clean, dry area at ambient temperature and away from heavily aromatic material.

Shelf Life

The best before date for OptiPRO® 858 modified starch is 2 years from the date of manufacture.

Regulatory Data

Source

United States

OptiPRO[®] 858 modified starch is approved for use as a food contact substance under FCN 794. Labeling Industrial Starch Modified

Tapioca

Canada

Labeling

Industrial Starch Modified

Features and Applications

Point of addition and product dosage will vary depending on the level of strength, retention and/or productivity desired. In general, OptiPRO[®] 858 modified starch has been effectively applied at machine addition points ranging from the blend or mix chest to the headbox manifold.

In certain applications, OptiPRO® 858 modified starch can be added in slurry form to get the desired performance.

Technical Service Representatives are available to assist with your product application.

Effective Date: April 22, 20206

Next Review Date: April 22, 2023

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