



Ingredion™

technical specification

## RediBOND™ 5330 liquid starch 70000048

RediBOND™ 5330 liquid starch is a cationic additive for the wet end of a paper machine that develops dry tensile strength. Improved dry tensile allows papermakers to use more cost-effective fiber, or reduce refining to positively impact bulk and softness. Additional benefits include improved machine performance related to gains in speed, drainage, retention and drying. New biocide preserved formulation.

### Product Specifications

	Min.	Max.
pH (as received)	6.0	8.0
Active Solids, %	29.0	31.0

### Physical Properties

	Typical
Color	Light Brown
Form	Liquid
Specific Gravity*	1.132
Density* (Lbs/Gallon)	9.42
Dry Lbs Starch/Gallon*	2.83

### Viscosity\*

	75°F
Brookfield, cps (#5 Spindle/ 25 RPM)	10,000 – 14,000

\* Data is a profile of typical batches. Actual data may vary from data listed above.

### Preparation

RediBOND™ 5330 liquid starch is prepared for paper machine system application by dilution with water in a ratio of 1 part liquid starch to up to 29 parts water. Metering equipment is available for a trial period upon request.

### Certification

Kosher pareve

### Packaging and Storage

RediBOND™ 5330 liquid starch is packaged in returnable tote bins and bulk tank trucks. RediBOND™ 5330 liquid starch must be stored above 45°F in a clean, dry area away from heavily aromatic material.

### Shelf Life

The best before date for RediBOND™ 5330 liquid starch is 3 months from the date of manufacture.

### Regulatory Data

Source Waxy Corn

### United States/Canada

RediBOND™ 5330 liquid starch is approved for use under FDA 21 CFR 176.170.

### Features and Applications

The addition point will vary based on the impact of other additives and furnish conditions. RediBOND™ 5330 liquid starch has been applied effectively at addition points ranging from the blend chest to the headbox. Technical Service Representatives are available to assist with product application.

Effective Date: August 19, 2019

Next Review Date: August 19, 2022

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