

RediBOND™ 5327A liquid starch 33112105

RediBOND™ 5327A 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.

Chemical and Physical Properties

	Min.	Max.
pH (as received)	-	12.0
Active Solids, %	29.0	31.0

Physical Appearance

	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)	7,500 – 13,000

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

Preparation

RediBOND™ 5327A 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™ 5327A liquid starch is packaged in returnable tote bins and bulk tank trucks. RediBOND™ 5327A 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™ 5327A liquid starch is 6 months from the date of manufacture.

Regulatory Data

Source Waxy Corn

United States/Canada

RediBOND™ 5327A 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™ 5327A 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: April 22, 2023

Next Review Date: April 22, 2026

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5 Westbrook Corporate Ctr.,
Westchester, Illinois 60154
U.S.A.
708.551.2600

1600 – 90 Burnhamthorpe Road. West,
Mississauga, Ontario L5B 0H9 Canada
905.281.7950

www.ingredion.us

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