

FILMKOTE™ 70 modified starch 06580102

FILMKOTE™ 70 modified starch is a fluidity hydrophobic surface/dry end starch used in size press and calendar operations where excellent film formation, surface strength and porosity reduction properties are desired. Because of the effective film-forming properties, this product is a cost-effective tool for developing oil and grease resistance in paper and board products.

Chemical and Physical Properties

| | Min. | Max. |
|---------------------|------|------|
| Moisture, % | 8.0 | 13.0 |
| pH (20% w/w slurry) | 6.0 | 7.0 |

Physical Appearance

| | Typical |
|--------------------------------------|---------|
| Color | White |
| Form | Powder |
| Bulk Density (lbs./ft ³) | 26-32 |

Viscosity (9% Solids)*

| | 130°F | 150°F |
|--------------------|-------|-------|
| Brookfield, cps ** | 18 | 15 |
| Hercules, cps *** | 8.8 | 7.8 |

* Viscosities are dependent on type of cooker used

** Brookfield run @ 50 rpm, (RVTDV-II)

*** Hercules run @ 4400 rpm, w/E bob

Preparation

Must be cooked to be effective.

Batch Cooking:

Solids - 20% maximum

Temperature – 200-205°F (~30 minutes)

Jet Cooking:

Solids – 25% maximum in cooking chamber

Temperature – 260-280°F (280°F optimum)

Certification

Kosher pareve

Packaging and Storage

FILMKOTE™ 70 modified starch is packaged in multi ply kraft paper bags, bulk bags and bulk.

FILMKOTE™ 70 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 FILMKOTE™ 70 modified starch is 5 years from the date of manufacture.

Regulatory Data

Source Waxy Corn

United States

FILMKOTE™ 70 modified starch is approved for use under FDA 21 CFR 178.3520.

Labeling Industrial Starch Modified

Canada

Labeling Industrial Starch Modified

Effective Date: April 22, 2021

Next Review Date April 22, 2024

The information described above is offered solely for your consideration, investigation, and independent verification. It is up to you to decide whether and how to use this information. Ingredion Incorporated and the Ingredion group of companies make no warranty about the accuracy or completeness of the information contained above or the suitability of any of their products for your specific intended use. Furthermore, all express or implied warranties of noninfringement, merchantability, or fitness for a particular purpose are hereby disclaimed. Ingredion Incorporated and the Ingredion group of companies assume no responsibility for any liability or damages arising out of or relating to any of the foregoing.

The INGREDION mark and logo are trademarks of the Ingredion group of companies. All rights reserved. All contents copyright © 2021.

5 Westbrook Corporate Ctr. 1600 – 90 Burnhamthorpe Rd., West
Westchester, Illinois 60154 Mississauga, Ontario L5B 0H9
U.S.A. Canada
708.551.2600 905.281.7950

www.ingredion.us