

PERFORMANCE FEATURES

- Stand-alone oil & water barrier
- Excellent water repellency
- Recyclable and repulpable
- Low 30-minute COBBs
- Heat Sealable
- Printable
- MVTR
- FDA/BfR compliant for food contact
- Made from recycled plastics & renewable resources

Product Description

Ulterion[®] 535 HV is a high solids coating developed for oil resistance & water repellency. It has been formulated to replace PE and wax coatings. It has applications in moisture barrier, hot/cold cup stock, frozen foods, cold release, food packaging coatings, and others where hot and cold-water & oil holdout is a requirement.

Typical Properties

Solids, %	49
pH	8.0
Appearance	Opaque, Amber Liquid
Viscosity, cPs	150 – 1,000
Origin	USA

FDA Status

Ulterion[®] 535 HV may be used with all foods under all may be used with all foods under all temperature conditions of use, and that such use may be properly said to comply fully with the Federal Food, Drug, and Cosmetic Act and all applicable food additive regulations, including 21 C.F.R. § 176.170 and 21 C.F.R. § 176.180. The finished paper and paperboards are subject to the extraction limitations set out in Section 176.170(c) of the food additive regulations.

MARKET USES

- Heat Sealable Packets
- Folding Carton
- Wax replacement liner board
 - Frozen Meats
 - Produce
 - Cooler Boxes
- Hot and Cold Cup Stock Overprint

Application Methods

Ulterion[®] 535 HV should be used as received. Application temperature should be between 65° - 95°F (18° - 35°C). Water may be used to reduce viscosity to achieve optimum results on certain equipment. It can be applied by various types of coating equipment such as rod and blade. Sufficient volumes of hot air should be used for optimal drying. Properly coated and dried, the surface energy of coated paper or paperboard should measure around 36 dynes. For optimal water hold out, after application the web temperature should reach 215° - 225°F (102° - 107°C). Reel temperatures should be below 100°F (37°C) to prevent coating transfer. For maximum hold out and MVTR Barrier, *Ulterion[®] 320 BC* is recommended as a base coat.

Handling / Storage Stability

The *Ulterion[®] 535 HV* is a made to order product, which should be kept in cool, dry conditions. Ideal storage temperatures are 40°F to 75°F. Temperatures above 90°F will decrease the shelf life considerably. Optimal storage conditions will yield a shelf life of 120 days from the date of manufacture.

Product Safety

When considering the use of *Ulterion[®]* brand products, please refer to the latest Safety Data Sheets (SDS). If a SDS for this product is required, please contact your **Jain Chem Representative**.