

CRYOVAC[®] BRAND

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VPP MonoPro

Recycle-ready* vertical form-fill-seal packaging for fluid and pumpable foods



Recycle-Ready*

BENEFITS



Operational Efficiency

- Maximum 10% polyamide (PA) content without compromising barrier strength or machinability
- Consistent machinability, even within narrower operating windows
- Fully compatible with existing VPP equipment and with VFFS machines across a wide range of leading platforms.
- Suitable for both ambient and hot fill applications up to 96°C
- Available in transparent and pigmented versions



Product Integrity

- Ensures superior protection for a wide range of foodservice applications, from sauces to proteins
- High barrier properties to preserve freshness and prevent contamination during storage and transport
- Helps extend shelf life and maintain product quality across the foodservice supply chain



Package Optimization

- High-performance mono-material films that are recycle-ready* and resource-efficient
- Supports circular packaging goals and simplifies recycling processes for foodservice operators
- Helps minimize environmental impact while meeting evolving customer and regulatory expectations

CHALLENGE

Food processors and foodservice operators are under increasing pressure to reduce environmental impact while maintaining high standards of food safety, operational efficiency, and product integrity. New packaging regulation (PPWR) demands recyclable solutions that don't compromise performance.

SOLUTION

CRYOVAC[®] VPP MonoPro is a next-generation, mono-material pouch solution designed to meet recyclability requirements while delivering the performance expected from the CRYOVAC[®] brand. Certified as recycle-ready* by Cyclos HTP, it enables processors to transition from traditional multi-material films to a more sustainable alternative, without sacrificing machinability, barrier properties, or food safety.

*Certified as recycle-ready by Cyclos - HTP-Institute. The degree of recyclability of the final package depends on the specific product configuration or components intended for recycling and the scope and availability of appropriate local recycling facilities.

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MATERIAL

CRYOVAC[®] VPP MonoPro pouches are made from mono-material co-extruded films, available in two versions: FSM145 with 10% polyamide (PA) and FSM045 with 0% PA. Both structures offer excellent barrier properties, with oxygen transmission rates as low as 1 cm³/m²/24h, and a film thickness of 115 µm. These materials are suitable for both ambient and hot fill applications, with sealing windows ranging from 130°C to 160°C depending on the structure.

EQUIPMENT

The film is compatible with CRYOVAC[®] VPP vertical form-fill-seal machines and has been successfully qualified in drop tests, demonstrating reliable machinability and robust performance. In addition to our own equipment, the material performed reliably on VFFS machines from various industry-leading manufacturers, confirming its versatility and broad applicability.

APPLICATION

CRYOVAC[®] VPP MonoPro is ideal for a wide range of fluid and pumpable food products. These include sauces such as ketchup, mayonnaise, and mustard; tomato-based products like diced tomatoes and pizza sauce; fruit and sugar-based items such as syrups, toppings, and purées; and protein-rich foods including meatballs, marinated meats, and minced meat. The pouches are suitable for both front-of-house and back-of-house foodservice operations.

SUSTAINABILITY

CRYOVAC[®] VPP MonoPro empowers foodservice operators to lead with purpose, turning sustainability goals into meaningful action. Designed as a recycle-ready solution, it redefines recyclability and sets a new standard beyond conventional multi-layer films. Recognized with Cyclos HTP certification and high recyclability scores, it represents a forward-looking choice for businesses committed to shaping a more responsible future.