

## Polysack Monofilm

# A COST-EFFECTIVE BREAKTHROUGH FOR 100% RECYCLABLE BAGS AND POUCHES

Polyphane® Pack 'n Cycle Monofilm is a **mono-oriented** polyethylene film that replaces multilayer laminates for a wide variety of bags and pouches, especially those used in the food industry for packaging frozen foods, cereals, biscuits, nuts and spices, etc.

The mono-orientation process provides improved stiffness, high modulus and accurate directional tear properties for easy opening. This process enables **significant down-gauging** when compared to traditional multilayer laminated films, resulting in a single-layer, **recyclable film** that significantly reduces costs, both for materials used and through elimination of the laminating process.

Polyphane® Pack 'n Cycle Monofilm is available in gauges from 25 $\mu$  to 60 $\mu$  and can be produced with a glossy finish, a paper-like feel, or in a variety of additional textures and finishes.

Polyphane® Pack 'n Cycle Monofilm is specifically designed for surface printing applications, performing smoothly at high speeds through any type of printing and pouch-making machine.

### FULLY RECYCLABLE!

The film is PE based, enabling 100% recyclability of pouches, bags and sachets.

### LIGHT WEIGHT!

Gauge reduction means lighter packages, significant cost reduction, and sustainability benefits.

### HEAVYWEIGHT PERFORMANCE!

Mono-orientation provides higher tensile strength and improved modulus.

### HIGH SEAL STRENGTH!

A breakthrough sealant performance vs. traditional films.



# Polyphane® Pack 'n Cycle Monofilm exceeds expectations by delivering greater stiffness and increased strength, all in a lightweight mono-oriented, 100% recyclable polyethylene film.

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## Polyphane® Pack 'n Cycle Monofilm benefits

- ✓ Enables down-gauging when replacing a multilayer lamination structure
- ✓ Enables a broad welding range
- ✓ Enables 100% pouch recyclability
- ✓ Provides directional tear properties for easy opening
- ✓ Provides improved seal strength and hermeticity
- ✓ Short welding time, leading to high operational efficiency
- ✓ Provides excellent rigidity for stand-up display
- ✓ Provides an improved moisture barrier while using less material
- ✓ Available in a variety of gauges
- ✓ Excellent printing capabilities and machinability
- ✓ Fully compliant with all FDA and CE standards

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### POLYSACK: A one-stop shop for sustainable flexible packaging solutions

Polysack is a comprehensive solution provider of high-yield, sustainable films suitable for numerous applications, including high-shrink labels, candy wrappers and a variety of bags, sachets and pouches. Polysack provides a line of innovative solutions to converters and other third parties in industries such as beverages, food and confectionery, etc.

From the company's founding in 1974, Polysack has continually invested in R&D to develop cutting-edge technological solutions for flexible packaging, utilizing advanced MDO (Machine Direction Orientation) technology.

With the accumulation of years of industry know-how and expertise, Polysack remains consistently at the forefront of new market trends, using only high-quality and environmentally friendly materials in its state-of-the-art production facility.

Polysack's customers, ranging from small businesses to Fortune 100 companies, all benefit from the highest production yields in the flexible packaging industry, with significant bottom-line improvement.

