

POLYPHANE
TWIST

THE BEST TWIST
IN CANDY WRAPPING



POLYSACK
flexible packaging

POLYPHANE TWIST

THE ORIGINAL NATURALLY-TWISTED POLYETHYLENE WRAP

- IDEAL FOR CANDIES AND CHOCOLATES
- IDEAL FOR SINGLE AND DOUBLE TWIST
- PRESERVES PRODUCT FRESHNESS
- EXCEPTIONALLY HIGH YIELD
- ADAPTABLE TO ALL PRINTING AND CANDY WRAPPING MACHINERY
- ENVIRONMENTALLY-FRIENDLY



Outstanding New Twist

Today's confectionery manufacturers require a wrapping material that increases yield, preserves the product's taste, and is environmentally friendly. That's why more confectionery manufacturers are choosing **Polyphane TWIST** – the number one polyethylene film developed and manufactured specifically for wrapping candies, chocolates and other sweets. With a single twist this appealing wrapper stays twisted, preserving the candy's fresh flavor, texture and shape.

Aesthetic, scrumptious look and sound

Polyphane TWIST is an attractive wrapper, available in transparent, white, black, red and metallized, providing high visibility of any type of candy or chocolate. Opening a **Polyphane TWIST** wrapper makes that rustling sound that whets the appetite for a delicious sweet – offering great sound appeal for your products.

Enhanced properties and Twist

Polyphane TWIST is equipped with the natural ability to stay twisted, and holds additionally-enhanced mechanical, optical and barrier properties. It is available either in 25 or 30 microns, and can be provided with a glossy finish, or a paper-like feel - a polyethylene twistable plastic film with texture and natural dead-fold properties as those of paper.

Prolong the fresh flavor

Unaffected by humidity, retaining the same oxygen and water barrier levels as in thicker films, **Polyphane TWIST** preserves the natural aroma and freshness of candies and chocolates. Non-reactive to sugar, chocolate, liqueur and spirit fillings, this wrapper is compliant with FDA and EC standards. Since there is no problem for the film to come in direct contact with chocolates and candies, **Polyphane TWIST** eliminates the need for placing a protective liner within the wrapper, thus constituting an additional saving.



Discover the sweet path to profit

Guaranteeing an exceptionally high yield, **Polyphane TWIST** is the profitable choice that reduces manufacturing and printing costs, yielding more wraps per kg than any other wrap

The environmentally-friendly choice

When it comes to manufacturing - sustainability is the name of the game. That's why more and more customers prefer **Polyphane TWIST** – a non-halogen material that is ecologically safe, replacing traditional materials.

Numbers of wraps per 1 kg

Polyphane TWIST	6747
PP	5039
PET	4930
CelloPhane	4793
PVC	4420

Runs easily through any wrapping and printing machines

Manufactured with MDO technology, **Polyphane TWIST** is an extremely thin and lightweight film, which runs smoothly at high speeds through any type of printing or wrapping machine, without tearing. **Polyphane TWIST** furthermore guarantees a continuous and smooth running wrapping process due to the anti-static treatment that minimizes static electricity.

Polyphane TWIST is the production-friendly choice for all types of candy wrapping machinery and equipment, whether using Theegarten-Pactec Nagema, ACMA GD, Klöckner Otto-Hänsel, C&M, Bosch, or Nuova Fima. Yielding the highest quality of printing, it is suitable for a wide variety of printing methods, including flexo-graphic, rotogravure and others.

	TEST METHOD	UNIT	AVERAGE VALUE			
			Clear	White	Metallized	White/Metal
Thickness	ASTM D 374	μ	25 / 30	25 / 30	25 / 30	25 / 30
Density		g/cm^3	0.941	0.985	0.941	0.985
Yield		m^2/kg	42.51 / 35.42	40.60 / 33.84	42.51 / 35.42	40.60 / 33.84
Weight		g/m^2	23.53 / 28.23	24.63 / 29.55	23.53 / 28.23	24.63 / 29.55
Tensile Strength MD		N/mm^2	>200	>200	>200	>200
Elongation at Break MD	ASTM D 882	%	>20	>20	>20	>20
Optical Density	-	-	-	-	>1.7 min	>1.7 min
C.O.F.	ASTM D 1894	-	0.30-0.35	0.30-0.35	0.30-0.35	0.30-0.35
Water Vapor Permeability	ASTM F 1249 38°C/RH 90%	$\text{g/m}^2/\text{day}$	5.0	5.0	2.0	2.0

	POLYPHANE TWIST	PP	PVC	CELLOPHANE
Thickness, μ	25.0	35.0	27.0	23.0
Density, g/cm^3	0.941	0.90	1.33	1.44
Weight, g/m^2	23.53	31a.50	35.91	33.12
Yield, m^2/kg	42.51	31.75	27.85	30.19
Roll Width	90 mm	90 mm	90 mm	90 mm
Weight of 1000 m	2.12 kg	2.84 kg	3.23 kg	2.98 kg
Length per 1 kg	472 m	353 m	309 m	335 m
Number of Wraps (90x70 mm) per 1 kg	6747	5039	4420	4793

The statements in this information sheet are based on average results and values derived from practical experience and accumulated data. These data are intended only as a source of information and are given in good faith but without guarantee and does not constitute a warranty of performance properties regarding the products. Polyphane products are sold subject to the terms and conditions specified in the documents relating to each specific sale. Customers should independently determine the suitability of this material for their specific purpose, prior to use.

POLYSACK: A company passionate about packaging

Polysack is a leading developer and manufacturer of high-yield flexible packaging film products, providing sustainable solutions for a variety of applications, including high-shrink labels, candy wrappers, agro-textiles and more. **Polysack** provides its line of innovative films to converters and other third parties who apply them in industries such as beverage, food, confectionery, agriculture and others.

A privately-owned company established 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.

Polysack, having acquired years of industry know-how and expertise, has perfected the art of packaging, using only the finest and environmentally-friendly materials in its state-of-the-art production facility. **Polysack** consistently keeps up with the latest market trends, utilizing cutting-edge machinery that increases production capacity and quality control.

Polysack is unique in its flexibility, meeting specialized client requirements faster and more efficiently, and catering to a wide variety of industries. **Polysack's** customers, ranging from small businesses to Fortune 100 companies, benefit from highest production yield in the film industry, and significant value at reduced costs.

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