

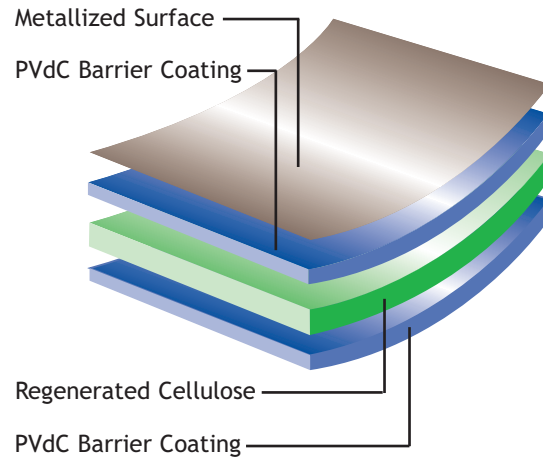
StarTwist™ XM

Data

Features - Ultra High Performance Metallized Twist Film

Regenerated cellulose film, coated on both sides with polyvinylidene chloride (PVdC) copolymer by a solvent process and metallized on one face.

- Specifically formulated to offer the ultimate in twist wrapping performance. (See applications.)
- Excellent barrier to UV/visible light transmission
- Inherent anti-static properties
- Resistant to oils and greases
- Ultra high lustre and sparkle
- Excellent barrier to water vapor, gases and aromas
- Controlled slip characteristics
- Cold-seal compatible
- Based on renewable wood pulp
- Excellent dead-fold characteristics



Applications

StarTwist XM film has been specifically formulated to offer the ultimate in twistwrapping performance on the widest possible range of twist machinery, regardless of type or age.

Maximum machine speeds are achievable, together with a reduced incidence of miswraps. A glossier, tighter wrap significantly enhances the finished appearance and offers improved product shelf life.

Technical Properties (Typical Values)

Property	Test Basis	Test Conditions	Units	StarTwist XM
Thickness	Innovia Films test		mil	0.86
Yield	Innovia Films test		in ² /lb	22300
Permeability to: Water vapor	ASTM E96	100 °F 90% RH	g/100in ² . 24 hrs	0.65
Oxygen	ASTM F 1927	75 °F 0% RH	cc/100in ² . 24 hrs	<0.03
Optical: Optical density	Innovia Films test			2.5
Coefficient of friction (film to film)	ASTM D 1894	Metallized surface Non-metallized surface		Stat. 0.33/DYN. 0.33 Stat. 0.25/DYN. 0.23
Tensile strength	ASTM D 882		kpsi MD TD	18 9
Elongation at break	ASTM D 882		% MD TD	25 70
Elasticity modulus (1% secant)	ASTM D 882		kpsi MD TD	>290 >145
Sealing range	Innovia Films test	0.5 secs; 10 psi	°F	230-320
Seal strength	Innovia Films test	275 °F; 0.5 secs; 10 psi	g(f)/1 1/2 in	190

All properties are tested under standard laboratory conditions: 75°F; 50± 5% RH, unless otherwise stated.

MD Machine Direction TD Transverse Direction

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Roll Specifications

Nominal Roll Diameters

Film	Length/ (feet)			
StarTwist XM	2650	11400	22800	34200
Outside Diameter for 3in Core	9½in	13in	18in	ns
Outside Diameter for 6in Core	ns	14in	18¾in	22½in

ns = non-standard

Other roll lengths are available subject to negotiation.

‘StarTwist XM’ is available with the metallized surface wound facing the outside of the roll. The metallized surface is identified by the code:

O - for outside

Sheets

Innovia Films can provide sheets to a range of sizes and shapes upon request.

Film Storage

To maintain the high quality of this product during storage it is recommended that StarTwist XM should be stored in its original wrapping away from any source of local heating or direct sunlight.

Recommended conditions of storage are:

Temperature: 60-75 °F

Relative Humidity: 35-55%

StarTwist XM should be converted within 4 months from the date of manufacture and stocks should be used in rotation according to date of delivery.

Films should be allowed to reach operating room temperatures for 24 hours before use.

Food Contact

The non-metallised surface of StarTwist XM complies with EU and US legislation for many room temperature food contact applications. Full details are set out in the applicable Declaration of Compliance. For information on other countries please contact your Innovia Films Sales Office. The metallised surface should not be placed in direct contact with foods.

Health & Safety Guidelines

For Health and Safety information, please refer to literature reference A190.



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