

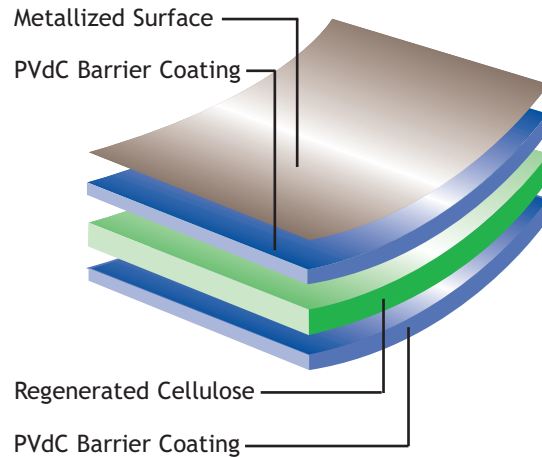
StarTwist™ XM

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
- High lustre and sparkle enhances print quality
- Excellent barrier to water vapor, gases and aromas
- Controlled slip characteristics
- Good stability of metallized surface for print adhesion
- Biodegradable base film



Applications

StarTwist XM film has been specifically formulated to offer the ultimate in twist-wrapping 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 Method	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 0-5% RH	cc/100in ² . 24 hrs.bar	0.065
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

StarTwist XM film has been specifically formulated for twist-wrap applications. Whilst a tack-seal is obtainable on the non-metallized face, this parameter is not measured and cannot be guaranteed.

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

MD Machine Direction TD Transverse Direction

Roll Specifications

Nominal Roll Diameters

Film	Length/(feet)			
	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

StarTwist XM is suitable for most applications involving direct contact with foodstuffs on the non-metallized side. It is manufactured to meet current food contact regulations for regenerated cellulose films, including FDA regulation 21 CFR 177.1200. For specific inquiries, please refer to literature reference A120 or contact our Technical Services Department.

Health & Safety Guidelines

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



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