

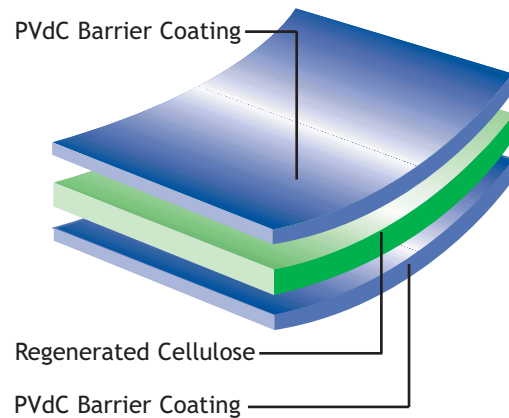
Cellophane™ XS

Data

Features - General Purpose Film

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

- Heat-sealable on both sides
- Excellent barrier to water vapour, gases and aromas
- Anti-static
- Resistant to oils and greases
- Both sides of the film are equally receptive to inks, adhesives and tear-tapes
- Excellent dead-fold characteristics
- High gloss and transparency
- Biodegradable base film



Applications

280/315XS Suitable for use as a single film or in laminate structures for overwrapping and form-fill-seal packaging.

340/365/400/440XS Generally used as a single film for medium to large packs on vertical or horizontal form-fill-seal machines. Particularly suitable for the packaging of snack foods, cereals, confectionery and other hygroscopic products.

500/600XS Suitable for use as a single film for heavy duty packaging, tear-tapes, etc.

XSC Coloured versions are available in certain grammages. Please refer to the Cellophane colour swatch for further details.

Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	XS							
				280	315	340	365	400	440	500	600
Thickness	Innovia Films test		micron	19.4	21.9	23.6	25.4	27.8	30.6	34.7	41.7
Yield	Innovia Films test		m ² /kg g/m ²	35.7 28.0	31.7 31.5	29.4 34.0	27.4 36.5	25.0 40.0	22.7 44.0	20.0 50.0	16.7 60.0
Permeability to: Water vapour Oxygen	ASTM E 96	38 °C 90% RH	g/m ² .24 hrs	10							
	ASTM F 1927	23 °C 0-5% RH	cc/m ² .24 hrs. bar	3							
Optical: Gloss	ASTM D 2457	45 °	units	105							
Haze (wide angle)	ASTM D 1003	2.5 °	%	4							
Coefficient of friction (film to film)	ASTM D 1894	Static Dynamic		0.25 0.20							
Tensile strength	ASTM D 882		MN/m ² MD TD	125 70							
Elongation at break	ASTM D 882		% MD TD	22 70							
Elasticity modulus (1% secant)	ASTM D 882		MN/m ² MD TD	>3000 >1500							
Sealing range	Innovia Films test	0.5 secs; 69 kN/m ²	°C	100-160							
Seal strength	Innovia Films test	135 °C; 0.5 secs; 69 kN/m ²	g(f)/38mm	225							

All properties are tested under standard laboratory conditions: 23± 2°C; 50±5% RH, unless otherwise stated.

MD Machine Direction TD Transverse Direction

Reel Specifications

Reel Lengths

Film	Length/(metres)		
	Half Standard	Standard	Double Standard
280XS	1900	3800	7600
315XS	1700	3400	6800
340XS	1600	3200	6400
365XS	1450	2900	5800
400XS	1300	2600	5200
440XS	1200	2400	4800
500XS	1050	2100	4200
600XS	900	1800	3600

Other reel lengths are available subject to negotiation.

Approximate Outside Diameter vs Core Size

Core Size / (mm)	Approximate Outside Diameter/ (mm)		
	Half Standard	Standard	Double Standard
77	240	330	450
153	non-standard	355	475

Sheets

We 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 Cellophane XS should be stored in its original wrapping away from any source of local heating or direct sunlight.

Recommended conditions of storage are:

Temperature: 17-23°C

Relative Humidity: 35-55%

Cellophane XS is suitable for use for 6 months from the date of delivery and stocks should be used in rotation.

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

Food Contact

Cellophane XS is suitable for most applications involving direct contact with foodstuffs. Cellophane XSC is suitable for applications involving direct food contact provided EC Regulation No. 1935/2004 (Article 3) and EC Directive 93/10/EEC (Article 2 [2]) are satisfied. For specific enquiries, 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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