

Clysar PLAnet™

Description

Clysar® PLAnet™ is a 100% biodegradable and compostable shrink film made from corn, a renewable resource. Clysar PLAnet is a strong, clear, balanced PLA shrink film targeted at the display market as an alternative to petroleum based films.

Uses

Clysar PLAnet™ is an excellent choice for:

- Recycled and organic products
- Paper goods
- Office supplies
- Baby wipes and supplies
- Multi-packs
- Rolled goods
- Toys and games

Significant Features

- 100% biodegradable and compostable
- Balanced shrink characteristics
- Low shrink initiation temperature
- Excellent clarity and gloss
- Wide sealing temperature range
- Excellent printability
- High MVTR

Standard Put-Ups

Clysar PLAnet™ is available in 75 gauge, 5,000 foot rolls. Film is available in flat format from 5-38" in ½" increments. Not available is sprayed, treated or perforated.

Use

Bemis Clysar does not recommend heating or cooking foods in Clysar Shrink Film. High temperature and high speed sealing of Clysar will release small amounts of "smoke" which should be removed by adequate ventilation in normal commercial practice.

Disposal

Preferred options for disposal are (1) recycling SPI code-class 7, (2) landfill.

Storage

Storage below 32°C (90°F) is recommended. Prolonged exposure to temperatures moderately above 32°C (90°F) or brief exposure to temperatures well above 32°C (90°F) may cause difficulty in unwinding film.

Table 1
Typical Properties of Clysar® PLAnet™

Property	ASTM Test Method	Units	Gauge
			75
Haze (avg)	D1003	%	3.0
Gloss at 20° (min)	D2457	HU (photocell)	95
COF, Kinetic	D1894	–	0.40
Shrinkage, 102°C	D1204	% (area)	55
Shrink Force, (100°C, 365 psi shrink stress)	D2838	g/in	78
Tensile Strength (avg)	D882	kpsi	24
Elongation (avg)	D882	%	130
Tear Strength (avg.)	D1922	g/in	11
Spencer Impact	D3420	In-lbs	25
Biodegradability	D6400	90% reduction in solids	12 Wks
WVTR	F1249	g/100 in ² /24 h	30
Oxygen Transmission	D3985	cc/100 in ² /24 h	67

Note: These values are typical data for Clysar PLAnet shrink film and are not intended for use as limiting specifications.

Bemis Worldwide

Toll-free (U.S.A.) 888 4-CLYSAR

Internet/World Wide Web:
<http://www.clysar.com>

E-Mail: clysar.marketing@bemis.com

The technical data contained herein are guides to the use of Bemis Clysar films. The advice contained herein is based upon tests and information believed to be reliable, but users should not rely upon it absolutely for specific applications because performance properties will vary with processing conditions. It is given and accepted at user's risk and confirmation of its validity and suitability in particular cases should be obtained independently. Bemis Clysar makes no guarantees of results and assumes no obligations or liability in connection with its advice. This publication is not to be taken as a license to operate under, or recommendation to infringe, any patents.

CAUTION: Do not use in medical applications involving permanent implantation in the human body. For other medical applications, see Bemis Medical Caution Statement, MCS_02.