

Clysar Trayloc™

Description

Bemis Clysar® Trayloc™ is a strong, clear, biaxially oriented, heat-shrinkable, polyolefin film designed to overwrap trayed fresh beef, pork, sausage and poultry products. Trayloc™ has excellent gloss, stretch recovery, toughness and tear resistance, and will not become brittle with age, thereby optimizing product appearance.

Uses

Bemis Clysar® Trayloc™ is used on packages that will be refrigerated or stored at room temperature and runs easily on the food industry's leading sealing systems. Trayloc™ has the ability to shrink tightly around packages in either hot water or hot air tunnels. Clysar® Trayloc™ has excellent seal performance and clarity as well as strength and shrink characteristics to reduce leakers and provide exceptional merchandising opportunities. Clysar® Trayloc™ can be flexo-line or process printed for high quality, colorful consumer presentation.

Significant Features

Sealing

- Excellent seal quality
- Excellent seal appearance preferred by the marketplace
- Compatible with the leading systems in the food industry
- Wide sealing temperature range

Shrinking

- Has very high degree of shrinkage at low shrink temperatures
- Allows lower tunnel temperatures that can result in utility cost savings
- Produces medium shrink force
- Has excellent shrink performance in hot water and/or air tunnels

Standard Put-Ups

- Bemis Clysar® Trayloc™ is available on 3" or 6" cores to the standard roll sized shown in Table 1.

Table 1
Clysar® Trayloc™
Linear Footage – Flat Film

Core ID, in.	Roll OD, in.	Footage
6	11 ± ¼	7,000
6	14 ± ¼	14,000

Available Flat Widths: 5-68"
Film is slit to ¼". Tolerance: -0 + 1/16"

FDA/USDA Status

Clysar films sold for food packaging use comply with U.S. Food and Drug Administration (FDA) requirements under the Federal Food, Drug, and Cosmetic Act as amended. Bemis Clysar complies with FDA regulation 21 CFR 177.1520 -- Olefin polymers, allowing use in contact with all types of foods. This FDA compliance and a continuing guarantee from Bemis Clysar will meet USDA requirements for packaging meat and poultry products.

Disposal

Preferred options for disposal are (1) recycling, SPI Code – Class 7 (2) incineration with energy recovery, and (3) landfill. The high fuel value of this product makes option (2) very desirable for material that cannot be recycled.

Storage

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

Table 2
Typical Properties of Clysar® Trayloc™

Property	ASTM Test Method	Unit	
Haze (avg)	D1003	%	2.4
Gloss at 20° (min)	D2457	(photocell)	140
Shrinkage, 102°C (216°F)*	D1204	% (Area)	66
Shrink Force (100°C, 365 psi shrink stress)	D2838	g/in	98
Tensile Strength (avg)	D882	kpsi	10.4
Elongation (avg)	D882	%	130
Modulus	D882	kpsi	38
Tear Strength	D1992	g/in	13
Spencer Impact	D3420	ln/lbs	9
COF, Kinetic	D1894		0.7
WVTR	F1249	g/100 in ² -day (37.8°C, 100% RH)	3.1
Oxygen Transmission	D3985	cc/100 in ² -day (23°C, 80% RH)	750
CO ₂ Transmission		cc/100 in ² -day (23°C, 0% RH)	2295

*Film Temperature

Note: These values are typical for Clysar® Trayloc™ shrink film and are not intended for use as limiting specifications.

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

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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.