

Description

Clysar® EVO-C™ film is a tough, strong, opaque polyolefin shrink film prequalified for the **How2Recycle®** Store Drop-Off Label. Ideal for confidential shipping and product containment, the versatile film offers UV protection and a high degree of puncture, tear and abrasion resistance.

A drop-in replacement for most non-recyclable shrink films, Clysar® EVO-C™ film conforms to irregular shapes and seals reliably on a wide range of shrink equipment. The film provides a sustainable, cost-effective overwrap or secondary shipping material for applications requiring flexible sizing, security, privacy and product protection.



Prequalified for the **How2Recycle®** Store Drop-Off Label

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Clysar®

Clysar® EVO-C™ Film

DATA SHEET

Uses

Recyclable through the Store Drop-Off program with **How2Recycle®**, Clysar® EVO-C™ (Confidential) film is an opaque security and shipping film with UV-blocking properties. Strong, lightweight and puncture-resistant, the film can significantly reduce packaging volume and weight*, making it ideal for e-commerce, mailing, distribution and packaging applications where concealing and containing contents is required.



Applications include high-value products such as jewelry or electronics; sensitive printed or personalized materials; pharmaceuticals and supplements; official documents and forms; books, catalogs and magazines; gourmet foods; digital media; software; footwear; sporting goods; lawn and garden products; liquid or granular cleaning products, personal care or household products; high-value industrial products.

Significant Features

Sustainability

- Preapproved for the Store Drop-Off Label from **How2Recycle**.
- Delivers significant material reduction, lowers DIM weight and can offer improved Life Cycle Analysis performance in comparison to corrugate.



*A sustainable and cost-saving alternative to bulky corrugate boxes.

Sealing

- Provides strong, durable seals with most sealing systems.
- Wide sealing temperature range.
- Requires little or no cooling dwell.

Shrinking

- Excellent cleanup for tight, attractive packages.
- High shrink force conforms to irregular shapes, offers excellent bundling capability.
- Excellent resistance to burn-through.

General

- Easy to run on most types of shrink equipment.
- Ultra-strong, puncture-, abrasion- and tear-resistant.
- Blocks nearly 100% of UV light.
- May be printed or used with labels.

Shipping

Clysar® EVO-C™ film can be packaged in corrugate-free packaging (singles, efficiency or cradle pack) to support sustainability throughout the supply chain.

FDA/USDA Status

Clysar® films sold by Clysar, LLC, for food packaging use comply with U.S. Food and Drug Administration (FDA) requirements under the Federal Food, Drug and Cosmetic Act as amended. Clysar complies with FDA regulation 21 CFR 177.1520— Olefin polymers, allowing use for articles that contact food, except for articles used for packing or holding food during cooking.

Use

Clysar, LLC, does not recommend using traditional heating or cooking methods for foods wrapped in Clysar® shrink films. For conditions specific to microwave cooking, please request documentation that is specific for your application through your Clysar representative.

Disposal

Preferred options for disposal are: (1) Store drop-off recycling, SPI Code 4; and (2) incineration with energy recovery.

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.

For more detailed information on the safe handling of Clysar® films, a "Safety in Handling and Use" guide can be obtained from your Clysar representative.

Standard Put-Ups

- 150 Gauge (90% Opacity for Privacy)
- Flat film is available in custom widths ranging from 3" up to 80" in ¼" increments.*
- Folded film is available in custom widths from 3" up to 37" in ½" increments.*
- Folded film will have half the linear footage of flat film for same gauge and roll dimensions.

*Contact your Clysar representative for details.

Summary of Properties

Clysar® EVO-C - Linear Footage Flat Film (Table 1)

Core I.D., in.	Roll O.D., in.	Gauge 150
3	9 1/2	3500
3	13	7000
6	11	3500
6	14	7000

Typical Properties of Clysar® EVO-C (Table 2)

Property	ASTM Test Method	Unit	Gauge 150
Haze	D1003	%	NA
Gloss (at 20°) (min)	D2457	GU	74.3
Transmittance	D1003-13	%	5.8
COF, Kinetic	D1894	-	0.20
Shrink Force	D2838	g/in	134.6
Stiffness Modulus (avg)	D882	Kpsi	60
Tensile Strength (avg)	D882	Kpsi	12.7
Elongation (avg)	D882	%	135
Tear Strength (Elmendorf)	D1922	g	40
Spencer Impact	D3985	lbf	5.6

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

UV Status

Verified to block nearly 100% of UV light through independent lab testing.

Recyclability

Clysar® EVO-C™ shrink film is approved for the Store Drop-Off label by **How2Recycle**®, and has obtained an official letter of prequalification. To use the recycling Label on any Clysar® EVO-C™ packaging, companies must be members of **How2Recycle** and obtain permission for use. Contact your Clysar representative for more information.

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The technical data contained herein are guides to the use of 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. 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 Clysar Medical Caution Statement, MCS_02.