

## SHRINK FILMS

### sytec® DURAFILM POLYOLEFIN SHRINK FILM

SYTEC® Durafilm is a shrink film that combines flexibility and durability with optimal appearance and protection for your product. This is a cross linked shrink film that is specifically designed for heavy duty packaging replacing the traditional corrugated box or heavy gauge polyethylene. This film offers a durable package with superior optical properties and can be used on a wide range of packaging machines.

#### Features

- Product protection
- User-friendly
- Excellent optical properties

#### Shrink & Seal Properties

- Quick shrinkage
- Outstanding stability
- Strong seals

#### Food Contact

SYTEC® Durafilm complies with the requirements and regulations which state that materials may be described in the FDA code Title 12 para. 177.1520 and in the EC Commission Directive No. 90/128/EEC.

#### Safety & Environment



SYFAN SYTEC SHRINK FILMS contain no CFC's nor any residues of the heavy metals Sb, Cr, As, Pb, Ba, Cd, Ag, Se. The gas generated during sealing of SYTEC SHRINK FILM is comprised of hydrocarbon derivatives of the pure raw material and contains no harmful substances, irritants, or chlorine derivatives. SYFAN USA is ISO-9001:2000 certified.

Gauge		150	200
Yield	in <sup>2</sup> /lb	20,200	15,500
reel length	ft (flat)	3,500	2,620
	ft (c/f)	1,750	1,310

## TYPICAL APPLICATIONS



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PROPERTY	UNIT	METHOD	NOMINAL VALUES	
density	g/cm <sup>3</sup>	ASTM D-1505	0.920	
haze	%	ASTM D-1003	5.2	
gloss 45 <sup>0</sup>	%	ASTM D-2459	86	
tensile strength	PSI	ASTM D-882	15,950	15,950
elongation	%	ASTM D-882	MD 220	TD 220
shrinkage at 120 <sup>0</sup> C oil bath - 5 sec	%	Syfan method	MD 73	TD 73
tearing resistance	g/25 □	elmendorf	MD 30	TD 30
coefficient of friction		film/film	<0.15	
MVTR (75G)	g / 100 in <sup>2</sup> /24hr @ 90% /RH 99 <sup>0</sup> F	E-96	1.6	
O <sub>2</sub>	cc /100 in <sup>2</sup> /24hr 1 atm @ 77 <sup>0</sup> F	D-3985-81	490	
CO <sub>2</sub>	cc / 100 in <sup>2</sup> /24hr 1 atm @ 77 <sup>0</sup> F	Gas Chromatograph	2015	

SYTEC® Durafilm should be stored in a cool, dry environment away from direct sunlight. Maximum storage temperature: 25°C/77°F.

The above table is based on test data believed to be reliable. Since it is not possible to anticipate the different and varying conditions under which SYFAN films may be used, purchasers are advised to carry out their own tests to determine the suitability of SYFAN products for their specific purposes.

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