

## PRODUCT DATA SHEET



### POLYOLEFIN SHRINK FILM



is a user-friendly

strong, bioriented

Polyolefin shrink film.

**SYTEC 701 FILM** is a polyolefin shrink film for a wide range of packaging applications. The innovative crosslink process provides strong, durable seals and excellent shrinkage. Optical properties are superior. This film exhibits outstanding abuse resistance and is easy to use

#### SPECIAL FEATURES

- Excellent transparency and gloss
- Softness & flexibility
- Very high burnout resistance

#### SHRINK & SEAL PROPERTIES

- Extremely strong seals
- Wide range of shrink temperature
- High conformity of shrinkage to products – no ‘dog ears’
- No deposits on sealing wires

PROPERTY	UNIT	METHOD	NOMINAL VALUES	
density	g/cm <sup>3</sup>	ASTM D-1505	0.922	
haze	%	ASTM D-1003	3.8	
gloss 45 <sup>0</sup>	%	ASTM D-2459	89	
tensile strength	N/mm <sup>2</sup> PSI	ASTM D-882	MD 105 15,200	TD 90 13,000
elongation	%	ASTM D-882	MD 120	TD 140
shrinkage at 120 <sup>0</sup> C oil bath - 5 sec	%	Syfan method	MD 73	TD 68
tearing resistance	g/25 □	elmendorf	MD 45	TD 30
coefficient of friction		film/film	<0.25	
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	

gauge		45	60	75	100
yield	in <sup>2</sup> /lb	67555	51000	40100	30400
reel length	ft (flat)	11660	8750	7000	5240
	ft (c/f)	5830	4375	3500	2620
nominal thickness / microns		11.2	15	19	25
yield	m <sup>2</sup> /kg	95	72	57	43
reel length	SW/m	3560	2650	2134	1600
	CF/m	1780	1325	1067	800

### FOOD CONTACT



complies with the requirements & regulations which state that materials may be safely used in food contact and non-food applications. These specifications are described in the FDA code Title 21 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 -SAAD has been ISO-9001:2000 certified since June 1994.



should be stored in a cool, dry environment away from direct sunlight.

Maximum storage temperature: 25<sup>o</sup>C / 77<sup>o</sup>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

**SYFAN<sup>®</sup> and SYTEC<sup>®</sup> are registered trade marks of SYFAN SAAD Israel.**

August 2006

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### POLYOLEFIN SHRINK FILM



is a user-friendly  
 bioriented antifog  
 polyolefin shrink film.

**SYTEC® 701AF** is a shrink film with anti-fog properties. This innovative film was developed especially for fresh produce and other fresh and frozen food packaging. The composition of this film enables outstanding performance on flow pack machines even at high rates.

#### SPECIAL FEATURES

- Good optical properties
- Softness & flexibility
- High burnout resistance

#### SHRINK & SEAL PROPERTIES

- Strong seals
- Wide range of shrink temperature
- No deposits on sealing elements

PROPERTY	UNIT	METHOD	NOMINAL VALUES	
density	g/cm <sup>3</sup>	ASTM D-1505	0.916	
haze	%	ASTM D-1003	7	
gloss 45°	%	ASTM D-2459	81	
tensile strength	N/mm <sup>2</sup> PSI	ASTM D-882	MD 90 13,000	TD 115 17,400
elongation	%	ASTM D-882	MD 95	TD 105
shrinkage at 120°C oil bath - 5 sec	%	Syfan method	MD 82	TD 77
tearing resistance	g/25 □	elmendorf	MD 20	TD 18
coefficient of friction		film/film	<0.20	
MVTR (75G)	g / 100 in <sup>2</sup> /24hr @ 90% /RH 99° F	E-96	1.6	
O <sub>2</sub>	cc /100 in <sup>2</sup> /24hr 1 atm @ 77° F	D-3985-81	490	
CO <sub>2</sub>	cc / 100 in <sup>2</sup> /24hr 1 atm @ 77° F	Gas Chromatograph	2015	

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**Kibbutz Saad, D.N. Hanegev, 85140, Israel**

**Tel: +972-8-6800424 Fax: +972-8-6800434**

**E-mail: syfan@saad.org.il**

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Sincal, Inc.  
12455 SW 7th Place  
Ft. Lauderdale, Fl 33325  
Tel:954.236.4507 / Fax:954.236.5174  
Email: sales@sincal.net / Web:www.sincal.net