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## PRODUCT DATA SHEET



### POLYOLEFIN SHRINK FILM



Is a very strong, durable,  
 bioriented multilayer  
 Shrink film

**SYTEC 307s FILM** is recommended for packaging applications where maximum optics and durable wrapping are required. Strong seals and an excellent shrink appearance are obtained with medium and high speed packaging systems.

#### SPECIAL FEATURES

- Superior transparence and gloss
- High burnout resistance
- Good stiffness & stability
- Balanced MD/TD properties

#### SHRINK & SEAL PROPERTIES

- Strong seals, both impulse & electrostatic
- No deposits on sealing wires
- Easily controlled shrink force
- Wide shrink temperature range

PROPERTY	UNIT	METHOD	NOMINAL VALUES	
density	g/cm <sup>3</sup>	ASTM D-1505	0.910	
haze	%	ASTM D-1003	2.8	
gloss 45 <sup>0</sup>	%	ASTM D-2459	86	
tensile strength	N/mm <sup>2</sup> PSI	ASTM D-882	MD 105 15,000	TD 115 16,000
elongation	%	ASTM D-882	MD 86	TD 88
shrinkage at 120 <sup>0</sup> C oil bath - 5 sec	%	Syfan method	MD 60	TD 63
tearing resistance	g/25 □	elmendorf	MD 28	TD 25
coefficient of friction		film/film	<0.20	
MVTR (75G)	g / 100 in <sup>2</sup> /24hr @ 90% /RH 99 <sup>0</sup> F	E-96	2.2	
O <sub>2</sub>	cc /100 in <sup>2</sup> /24hr 1 atm @ 77 <sup>0</sup> F	D-3985-81	503	
CO <sub>2</sub>	cc / 100 in <sup>2</sup> /24hr 1 atm @ 77 <sup>0</sup> F	Gas Chromatograph	1858	

gauge		50	60	75	100
yield	in <sup>2</sup> /lb	62500	52100	41100	31200
reel length	ft (flat)	10500	8750	7000	5240
	ft (c/f)	5250	4375	3500	2620
nominal thickness / microns		12.5	15	19	25
yield	m <sup>2</sup> /kg	87.5	73	57	44
reel length	SW/m	3200	2650	2134	1600
	CF/m	1600	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.**

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