

PRODUCT DATA SHEET



POLYOLEFIN SHRINK FILM



is shrink film that combines softness and strength with versatile performance

SYTEC® MAX is an irradiated shrink film which offers outstanding performance on a wide range of packaging machines. Low sealing and shrinkage temperatures suffice for perfect shrinkage and strong seals. A low coefficient of friction enables this film to be used for applications requiring high slip properties.

SPECIAL FEATURES

- High slip
- user-friendly
- conforms to any product shape

SHRINK & SEAL PROPERTIES

- quick shrinkage
- outstanding stability
- strong seals

PROPERTY	UNIT	METHOD	NOMINAL VALUES	
density	g/cm ³	ASTM D-1505	0.920	
haze	%	ASTM D-1003	5.2	
gloss 45 ^o	%	ASTM D-2459	86	
tensile strength	N/mm ² PSI	ASTM D-882	MD 130 18,850	TD 130 18850
elongation	%	ASTM D-882	MD 150	TD 150
shrinkage at 120 ^o 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 ² /24hr @ 90% /RH 99 ^o F	E-96	1.6	
O ₂	cc / 100 in ² /24hr 1 atm @ 77 ^o F	D-3985-81	490	
CO ₂	cc / 100 in ² /24hr 1 atm @ 77 ^o F	Gas Chromatograph	2015	

gauge		45	60	75	100
yield	in ² /lb	67555	51060	40310	30755
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 ² /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°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

SYFAN® and SYTEC® are registered trade marks of SYFAN SAAD Israel.

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.

January 2007