

sytec[®] 701

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	METHOD	UNITS	45 G	60 G	75 G	100 G
Haze	ASTM D-1003	[%]	4	3.8	5.2	4
Gloss 45°	ASTM D-2459	Gloss Units	89	89	87	90
COF	ASTM D-1894		<0.25	<0.25	<0.25	<0.25
Shrinkage MD/TD	120°C, oil bath	[%]	80/77	73/68	77/77	70/70
Tear Resistance MD/TD	Elmendorf	gr/25μ	22/20	45/30	30/25	30/30
Ultimate Tensile Stress MD/TD	ASTM D-882	PSI	15000/17000	15200/13000	13000/14500	15000/15000
Elongation MD/TD	ASTM D-882	[%]	90/130	120/140	125/120	145/130
MVTR	ASTM E-96	g/100in ² /24hr 1atm@99°F	2.1	1.6	1.3	0.96
OTR	ASTM D-3985	cc/m ² /24hr 1atm@77°F	10100	7600	6100	4600
CO ₂	Gas Chromatograph	cc/100in ² /24hr 1atm@77°F	2600	2015	1600	1200

Please see the chart for 125, 150, 200 & 300 gauge film on the reverse

Syfan USA Corp.
1622 Twin Bridges Road
P.O. Box 203, Everetts, NC 27825-0203
1.877.792.2547 | www.syfanusa.com

PROPERTY	METHOD	UNITS	125 G	150 G	200 G	300 G
Haze	ASTM D-1003	[%]	3.6	3.8	4.2	5
Gloss 45°	ASTM D-2459	[%]	88	88	87	87
COF	ASTM D-1894		<0.2	<0.2	<0.2	<0.2
Shrinkage	120°C, oil bath 5 sec.	[%]	MD 76 TD 75	MD 76 TD 75	MD 72 TD 72	MD 69 TD 71
Tear Resistance MD/TD	Elmendorf	gr/25μ	MD 35 TD 30	MD 45 TD 35	MD 45 TD 40	MD 50 TD 45
Ultimate Tensile Stress MD/TD	ASTM D-882	N/mm ²	MD 100 TD 100	MD 105 TD 100	MD 100 TD 100	MD 95 TD 95
Elongation MD/TD	ASTM D-882	[%]	MD 160 TD 140	MD 170 TD 150	MD 180 TD 160	MD 200 TD 170
MVTR	ASTM E-96	gr/m ² /24hr@ 90%RH 37°C	10.5	9	7	4.5
OTR	ASTM E-3985	cc/m ² /24hr 1atm@25°C	3600	3000	1700	1500
CO ₂	Gas Chromatograph	cc/m ² /24hr 1atm@25°C	14600	12300	9300	6100

GAUGE		45	60	75	100
yield	in ² /lb	67555	51000	40100	30400
roll length	SW/ft	11660	8750	7000	5250
	CF/ft	5830	4375	3500	2625
NOMINAL THICKNESS/MICRONS		11.2	15	19	25
yield	m ² /kg	95	72	57	43
roll length	SW/m	3560	2650	2134	1600
	CF/m	1780	1325	1067	800

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-9001:2008 certified since June 1994.



FOOD CONTACT

Sytec® 701 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.

Sytec® 701 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.



DARTRONICS, INC.

PACKAGING AUTOMATION SPECIALISTS



150 WILLIAM ST. PERTH AMBOY, NJ 08861 / TOLL FREE: 800-298-8936 / PHONE: 732-324-0800 / FAX: 732-324-4488

WWW.DARTRONICS.COM

YOUTUBE / DARTRONICS

THE SINGLE SOURCE FOR YOUR

END-OF-LINE

PACKAGING, MARKING AND CODING NEEDS