

# sytec<sup>®</sup> MVP

SYTEC MVP FILM is a versatile shrink film for a wide range of packaging applications. This crosslinked, soft, low shrink force film is especially suitable where low shrinkage temperatures and high shrinkage speeds are required.

### SPECIAL FEATURES

- User-friendly
- Conforms to any product shape

### SHRINK & SEAL PROPERTIES

- Quick shrinkage at low temperature
- Outstanding stability
- Low shrink force
- Strong seals

PROPERTY	METHOD	UNITS	45 G	60 G	75 G	100 G
Haze	ASTM D-1003	[%]	5	5	5	6
Gloss 45°	ASTM D-2459	Gloss Units	88	90	86	85
COF	ASTM D-1894		<0.3	<0.25	<0.25	<0.2
Shrinkage MD/TD	120°C, oil bath	[%]	78/75	74/72	73/73	70/70
Tear Resistance MD/TD	Elmendorf	gr/25μ	25/20	30/20	35/30	40/25
Ultimate Tensile Stress MD/TD	ASTM D-882	PSI	11200/12500	10150/11600	10000/11000	8000/9000
Elongation MD/TD	ASTM D-882	[%]	100/90	105/90	130/120	155/130
MVTR	ASTM E-96	g/100in <sup>2</sup> /24hr 1atm@99°F	2.1	1.6	1.3	0.96
OTR	ASTM D-3985	cc/m <sup>2</sup> /24hr 1atm@77°F	10100	7600	6100	4600
CO <sub>2</sub>	Gas Chromatograph	cc/100in <sup>2</sup> /24hr 1atm@77°F	2600	2015	1600	1200

GAUGE		45	60	75	100
yield	in <sup>2</sup> /lb	67555	51060	40310	30755
roll length	SW/ft	11660	8750	7000	5250
	CF/ft	5830	4375	3500	2625
NOMINAL THICKNESS/MICRONS		11.2	15	19	25
yield	m <sup>2</sup> /kg	95	73	57	44
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® MVP 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® MVP 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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