

Properties of **SUNTEC® S FILM**

			Type C		Type E	PVC
			AMT	CF-100	A-210E	
Property	Units	Test Method	Stretch film	Shrink film	Shrink film	Stretch film
Tensile Strength	MPa	ASTM D882	LD/TD* 8,100/5,400	LD/TD* 11,800/7,800	LD/TD* 6,900/7,800	LD/TD* 3,200/1,500
Elongation	%	ASTM D882	220/400	130/240	100/170	200/300
Tensile Modulus	GPa	ASTM D882	9.8/7.8	19.6/15.7	34.3/24.5	6.9/6.9
Dart drop	20°C	ASTM D1709	1.18	3.63	2.45	1.96
impact strength	-30°C		0.59	1.47	1.47	0.10
Pinhole resistance	g	JIS-10	210	330	230	180
Water vapor T.R.	g/(m ² ·d)	ASTM E96 38°C/90%RH	100	45	35	600
Oxygen T.R.	ml/(m ² ·d·MPa)	ASTM D1439 23°C	226,000	157,000	226,000	196,000
Haze	%	ASTM D1003	0.7	0.7	1.3	1.2
Gloss	%	ASTM D2457	140	146	140	130
Heat-seal temperature	°C		125~160	130~160	130~150	190~200
Thermal shrinkage(air)	%	ASTM D2732/140°C,30min	—	58/36	80/80	—
Tear strength	mN	JIS-P8116	150/100	280/110	40/50	1,080/780

*LD, longitudinal direction; TD, transverse, direction

Note: The above values are typical laboratory averages and not specification limits.

Supply Roll Dimensions

Core inner diameter: 77.2 mm

Film width: 250, 300, 350, 400, 450, 500, 550 mm

Film length: 2,000 and 3,000 m

Storage Conditions, Shelf Life

Avoid exposure to temperatures over 35°C, excessive humidity, and direct sunlight.

Use **SUNTEC S FILM** within one year after delivery.

Limitations on Use

SUNTEC S FILM is intended only for packaging and storage, and not for heating or cooking. It should never be used in any microwave or thermal oven, appliance or kitchenware for food warming or cooking.

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