

**INTRODUCING TODAY'S VALUE ALTERNATIVE
HIGH PERFORMANCE SHRINK FILM**

STRANFLEX

**POLYOLEFIN
SHRINK FILM**



**MEET STRANFLEX SX POLYOLEFIN SHRINK FILM.
ONLY FROM SIGMA SUPPLY.**

- Cross-linked, inline, irradiation manufacturing process provides consistent sealing and shrinking at a broader range of operation temperatures
- StranFlex SX operates on all types of equipment and sealing technology, ensuring excellent performance across a wide range of applications
- Shrink properties ensure that the film conforms to the most irregularly shaped products, providing superior aesthetics
- Outstanding clarity enhances the presentation of the product to your customer
- Exceptional tensile, puncture, and tear resistance



**TO LEARN MORE CALL (770) 407-3080 OR
EMAIL SHRINKFILM@SIGMASUPPLY.COM**



STRANFLEX SX

TECHNICAL DATA

STRANFLEX
POLYOLEFIN
SHRINK FILM

TENSIL	UNIT	ASTM TEST	40 GAUGE	60 GAUGE	75 GAUGE	100 GAUGE
Tensile Strength (MD)	N/mm ²	D882	125	130	135	110
Tensile Strength (TD)	N/mm ²	D882	120	125	125	105
Elongation (MD)	%	D882	120	125	130	130
Elongation (TD)	%	D882	115	120	120	125

TEAR	UNIT	ASTM TEST	40 GAUGE	60 GAUGE	75 GAUGE	100 GAUGE
MD	g	D1922	8.5	12.5	15.5	20
TD	g	D1922	7.5	11	13	19.5

SEAL STRENGTH	UNIT	ASTM TEST	40 GAUGE	60 GAUGE	75 GAUGE	100 GAUGE
MD/Hot Wire Seal	N/mm	F88	0.94	1.2	1.36	1.5
TD/Hot Wire Seal	N/mm		0.95	1.32	1.57	1.7

COT FILM TO FILM	UNIT	ASTM TEST	40 GAUGE	60 GAUGE	75 GAUGE	100 GAUGE
Dynamic		D1894	0.25	0.23	0.2	0.23
Static		D1894	0.25	0.25	0.21	0.25

OPTICS	UNIT	ASTM TEST	40 GAUGE	60 GAUGE	75 GAUGE	100 GAUGE
Haze		D1003	2.1	2.3	2.9	3.3
Clarity		D1746	98.9	98.5	98	95
Gloss @ 45 degrees		D2457	89.5	88	86.5	85.5

BARRIER	UNIT	ASTM TEST	40 GAUGE	60 GAUGE	75 GAUGE	100 GAUGE
Oxygen Transmission	cc/m2/day	D3985	12600	10500	7700	5900
Water Vapor Transmission	gm/m2/day	F1249	40.5	32.5	27.5	21.5

FREE SHRINKAGE	UNIT	ASTM TEST	40 GAUGE	60 GAUGE	75 GAUGE	100 GAUGE
212	%	D2732	19	19	28	28
230	%	D2732	37	37	45	45
250	%	D2732	64	64	65	65
270	%	D2732	81	81	79	79

TENSION SHRINKAGE	UNIT	ASTM TEST	40 GAUGE	60 GAUGE	75 GAUGE	100 GAUGE
212	Mpa	D2838	2.2	2.2	2.65	2.65
230	Mpa	D2838	2.65	2.65	3.8	3.8
250	Mpa	D2838	2.85	2.85	4	4
270	Mpa	D2838	2.8	2.8	3.9	3.9