

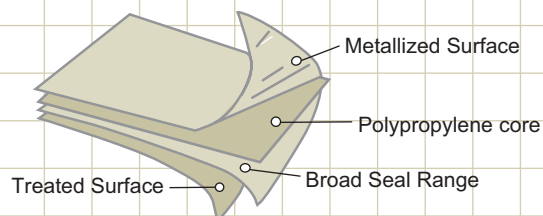
PennPac

Providers of Flexible Packaging Solutions

MCS

BIAXIALLY ORIENTED POLYPROPYLENE

- Metallized
- One Side Heat Sealable
- One Side External Treat
- High Slip



Characteristics

- Excellent light barrier
- Good hot tack
- Excellent oxygen and moisture barrier
- Antistatic treatment

Applications

- Vertical form-fill-seal
- Horizontal form-fill-seal and flow wrap
- Printed and laminated structures
- Barrier packaging
- Approved for food contact on non metal side

Typical Values

Properties	Procedure	Unit	15	17	20	22	25	30	35	40	50
THICKNESS	DIN 53370 23°C (73°F) / 50% r.h.	Gauge Micron	60 15	70 18	80 20	90 22.8	100 25	120 30	140 35	160 40	200 50
YIELD		in ² /lb	51,700	45,500	39,000	35,000	31,000	26,000	22,000	19,000	15,000
SEAL STRENGTH	266 °F/0.5 sec	g/in	310	310	340	340	340	430	430	520	520
COEFFICIENT OF FRICTION (film/film)	DIN 53375 23°C (73°F) / 50% r.h.	Non Treat Side	0.30 0.50	0.30 0.50	0.30 0.50	0.30 0.50	0.30 0.50	0.30 0.50	0.30 0.50	0.30 0.50	0.30 0.50
HEAT SEAL RANGE		°F	226-293								
WATER VAPOR TRANSMISSION	ASTM 1249 38°C (100°F) / 90% r.h.	g/100 sq in/ day g/sq m / day	0.026 0.40	0.026 0.40	0.026 0.40	0.025 0.39	0.024 0.38	0.024 0.37	0.023 0.36	0.022 0.35	0.022 0.35
OXYGEN PERMEABILITY	ASTM D 3985 23°C (73°F) / 0% r.h.	cc/100 sq in/ day cc/sq m / day	5.2 80	5.2 80	5.2 80	2.52 39	2.45 38	2.38 37	2.32 36	2.25 35	2.25 35
TENSILE STRENGTH	DIN 53455 23°C (73°F) / 50% r.h.	psi MD TD	20,300 40,600	20,300 40,600	20,300 40,600	20,300 40,600	20,300 40,600	20,300 40,600	20,300 40,600	20,300 40,600	20,300 40,600
ELONGATION AT BREAK	DIN 53455 23°C (73°F) / 50% r.h.	% MD TD	160 40	160 40	160 40	160 40	160 40	160 40	160 40	160 40	160 40
PROPAGATIONAL TEAR STRENGTH	DIN 53363 23°C (73°F) / 50% r.h.	g/mil MD TD	40 20	40 20	40 20	40 20	40 20	40 20	40 20	40 20	40 20
OPTICAL DENSITY		%	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

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