

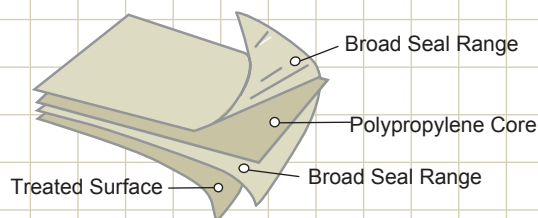
PennPac

Providers of Flexible Packaging Solutions

BCS

BIAXIALLY ORIENTED POLYPROPYLENE

- Clear
- Two Side Heat Sealable
- One Side External Treat
- High Slip



Characteristics

- Excellent hot tack
- Antistatic treatment
- Glossy appearance

Applications

- Vertical form-fill-seal
- Horizontal form-fill-seal and flow wrap
- Printed and laminated structures
- Approved for food contact

Typical Values

Properties	Procedure	Unit	15	18	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	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
HAZE, Gardner	ASTM D1003	%	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
GLOSS, Gardner	ASTM D2457	%	85	85	85	85	85	85	85	85	85
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	0.55 8.52	0.5 7.75	0.4 6.2	0.35 5.43	0.31 4.8	0.28 4.34	0.26 4.03	0.24 3.72	0.21 3.25
OXYGEN PERMEABILITY	ASTM D 3985 23°C (73°F) / 0% r.h.	cc/100 sq in/ day cc/sq m / day	150 2325	140 2170	130 2015	120 1860	110 1700	95 1475	78 1209	60 930	50 775
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

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