

TECHNICAL DATA Beauty Film BF-Ultimate+										
TEST ITEM		UNIT	ASTM TEST	TYPICAL VALUES						
GAUGE				10um	12um	15um	19um	25um	30um	37um
TENSILE STRENGTH										
Tensile Strength (MD)		N/mm²	D882	130	130	135	135	125	120	115
Tensile Strength (TD)				125	125	125	125	120	115	110
TENSILE STRENGTH										
Elongation(MD)		%	D882	110	115	120	120	120	125	130
Elongation (TD)				105	105	110	110	115	115	120
TEAR										
MD at 400gm		gf	D1922	9.0	11.5	14.5	18.5	27.0	32.0	38.5
TD at 400gm				9.5	12.5	17.0	22.5	30.0	35.0	42.5
SEAL STRENGTH										
MD\Hot Wire Seal		N/mm	F88	0.95	1.13	1.29	1.45	1.75	2.15	2.10
TD\Hot Wire Seal				1.05	1.18	1.43	1.65	1.75	2.10	2.10
COF (Film To Film)		-								
			D1894	0.24	0.23	0.19	0.18	0.22	0.23	0.25
Dynamic				0.24	0.23	0.19	0.18	0.22	0.23	0.25
OPTICS										
Haze			D1003	2.2	2.3	2.6	3.5	3.8	4.2	4.8
Clarity			D1746	98.5	98.5	98.8	98.0	97.5	94.0	92.0
Gloss @ 45Deg			D2457	89.0	88.5	88.0	87.5	86.0	86.0	85.0
BARRIER										
Oxygen Transmission Rate		cc/m²/day	D3985	12100	10300	9500	6200	5400	4200	3700
Water Vapor Transmission Rate		gm/m²/day	F1249	40.5	32.5	27.5	20.5	14.5	11	9.5
SHRINKAGE PROPERTIES				MD	TD	MD		TD	MD	TD
Free Shrinkage	100℃	%	D2732	19	28	18		28	16	26
	110℃			37	45	37		45	34	43
	120℃			70	72	71		72	69	67
	130℃			81	79	81		80	80	79
				MD	TD	MD		TD	MD	TD
Shrink Tension	100℃	Mpa	D2838	2.20	2.65	2.30		2.55	2.70	2.85
	110℃			2.65	3.80	2.90		3.85	3.40	4.10
	120℃			2.85	4.00	3.45		4.25	3.85	4.65
	130℃			2.80	3.90	3.20		3.90	3.30	4.00

Note: The above information is based on our internal evaluation data and is for reference only

The film is 100% recyclable in the LDPE04 stream.

The film can be used for frozen food. The film is for food use and BRC certified.

