

BS-1 Standard Polyolefin Shrink Film									
TEST ITEM		UNIT	ASTM TEST	TYPICAL VALUES					
GAUGE				12um	15um	19um	25um	30um	
TENSILE									
Tensile Strength MD		N/mm ²	D882	130	125	120	110	105	
Tensile Strength TD				125	120	115	105	100	
Elongation MD		%		110	110	115	120	120	
Elongation TD				105	105	110	115	115	
TEAR									
MD at 400gm		gf	D1922	10.0	13.5	16.5	23.0	27.5	
TD at 400gm				9.5	12.5	16.0	22.5	26.5	
SEAL STRENGTH									
MD\Hot Wire Seal		N/mm	F88	0.75	0.91	1.08	1.25	1.45	
TD\Hot Wire Seal				0.78	0.95	1.10	1.30	1.55	
COF(Film To Film)		-							
Static			D1894	0.23	0.21	0.19	0.22	0.25	
Dynamic				0.23	0.21	0.19	0.22	0.25	
OPTICS									
Haze			D1003	2.1	2.5	3.1	3.6	4.5	
Clarity			D1746	98.5	98.0	97.0	95.0	92.0	
Gloss@45Deg			D2457	88.0	87.0	84.0	82.0	81.0	
BARRIER									
Oxygen Transmission Rate		cc/m ³ /day	D3985	11500	10200	7700	5400	4500	
Water Vapor Transmission Rate		gm/m ³ /day	F1249	43.8	36.7	26.7	22.4	19.8	
SHRINKAGE PROPERTIES				MD		TD			
Free Shrinkage	100℃	%	D2732	23		32		21	27
	110℃			37		45		33	44
	120℃			59		64		57	61
	130℃			67		68		65	67
				MD		TD		MD	TD
Shrink Tension	100℃	Mpa	D2838	1.85		2.65		1.90	2.60
	110℃			2.65		3.50		2.85	3.65
	120℃			2.85		3.65		2.95	3.60
	130℃			2.65		3.20		2.75	3.05

MD\Machine Direction TD\Transverse Direction