

TEST ITEM		UNIT	ASTM TEST	TYPICALVALUES				
Thickness				12um	15um	19um	25um	30um
TENSILE								
Tensile Strength (MD)		N/mm ²	D882	125	122	120	110	105
TensileStrength (TD)				125	115	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	22.8	27.5
TD at 400gm				9.5	12.5	16.0	22.5	26.5
SEAL STRENGTH								
MD\HotWire Seal		N/mm	F88	0.75	0.91	1.08	1.25	1.45
TDHotWire 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	2.4	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								
OxygenTransmission Rate		cc/m/day	D3985	11500	10200	7700	5400	4500
WaterVapor Transmission Rate		gm/m/dav	F1249	43.8	36.7	26.7	22.4	19.8
SHRINKAGE PROPERTIES								
				MD	TD	MD	TD	
Free Shrinkage	100℃	%	D2732	23	32	21	27	
	110℃			36	45	33	44	
	120℃			59	64	56	60	
	130℃			65	67	65	66	
				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	