

X5 HOT-SLIP LOW TEMPERATURE POLYOLEFIN SHRINK FILM TECHNICAL DATA

TEST ITEM	UNIT	ASTM TEST	TYPICAL VALUES				
GAUGE 厚度			9um	11um	14um	19um	
TENSILE							
Tensile Strength (MD) 拉伸强度	N/mm ²	D882	115	115	110	95	
Tensile Strength (TD)			110	110	105	95	
Elongation(MD) 断裂伸长率	%		95	100	105	100	
Elongation (TD)			90	95	100	95	
TEAR 撕裂强度							
MD at 400gm	gf	D1922	6.5	8.5	12.5	15.5	
TD at 400gm			6.2	9.5	13.5	16.5	
SEAL STRENGTH 热封强度							
MD\Hot Wire Seal	N/mm	F88	0.6	0.75	0.88	0.95	
TD\Hot Wire Seal			0.65	0.75	0.93	1.1	
COF (Film To Film)			-				
Static 静摩擦		D1894	0.16	0.15	0.15	0.18	
Dynamic 动摩擦			0.16	0.15	0.12	0.18	
Dynamic(HotSlip)@60°C 热动摩擦			0.28	0.26	0.23	0.22	
OPTICS							
Haze 雾度		D1003	3.2	3.5	3.8	4.0	
Clarity 透明度	%	D1746	98.5	98.0	97.5	97.0	
Gloss @ 45Deg 光泽度		D2457	82	82.0	84.0	84.0	
BARRIER 阻隔性							
Oxygen Transmission Rate 透氧率	cc/m ² /day	D3985	14400	11800	11700	9600	
Water Vapor Transmission Rate 透水汽率	gm/m ² /day	F1249	55	48	45	38	
SHRINKAGE PROPERTIES 收缩性			MD	TD	MD	TD	
Free Shrinkage 收缩率	80°C	%	D2732	16.5	24.5	15.5	24.0
	90°C			25.0	31.5	24.5	31.5
	100°C			35.0	43.5	34.0	43.0
	110°C			52.0	55.0	51.0	54.0
	120°C			64.0	66.0	63.0	65.5
	130°C			71.0	70.0	70.5	70.0
			MD	TD	MD	TD	
Shrink Tension 收缩张力	80°C	Mpa	D2838	1.45	1.75	1.60	1.85
	90°C			1.85	2.10	1.95	2.25
	100°C			2.15	2.35	2.25	2.40
	110°C			2.50	2.75	2.65	2.80
	120°C			2.70	2.80	2.85	2.95
	130°C			2.45	2.55	2.65	2.75

MD\Machine Direction TD\Transverse Direction

Note: This information represents our best judgment on the work done, but the company assumes no liability whatsoever in connection with the use of information or findings contained herein.