



## Cross-Linked Shrink Film

With special irradiation technology, JT03 is the most perfect heat shrink film. It can help you solve all packaging problems. As JT03 offers excellent shrinkage, strong & durable seals, wide sealing temperature range, it is suitable for all packaging systems with its excellent properties.

Available thickness: 12micron, 15micron, 19micron and 25 micron.

TEST ITEM	UNIT	ASTM TEST	TYPICAL VALUES				
THICKNESS			12um	15um	19um	25um	30um
<b>TENSILE</b>							
Tensile Strength (MD)	N/mm <sup>2</sup>	D882	131	136	136	136	136
Tensile Strength (TD)			126	126	126	131	131
Elongation (MD)	%		126	131	131	141	141
Elongation (TD)			121	126	121	131	136
<b>TEAR</b>							
MD	g	D1922	10.1	14.6	17.6	25.6	33.6
TD			9.1	13.6	16.6	25.1	30.1
<b>SEAL STRENGTH</b>							
MD/Hot Wire Seal	N/mm	F88	1.43	1.39	1.55	1.85	2.25
TD/Hot Wire Seal			1.28	1.53	1.75	1.85	2.2
<b>COF(film to Film)</b>							
Dynamic		D1894	0.33	0.3	0.32	0.35	0.35
Static			0.35	0.31	0.33	0.37	0.35
<b>OPTICS</b>							
Haze		D1003	2.4	2.7	3.6	3.9	4.3
Clarity		D1746	98.6	98.9	98.1	97.6	94.1
Gloss @ 45Deg		D2457	88.6	88.1	87.6	86.1	86.1
<b>BARRIER</b>							
Oxygen Transmission Rate	cc/m <sup>2</sup> /day	D3985	10300	9500	6200	5400	4200
Water Vapor Transmission Rate	gm/m <sup>2</sup> /day	F1249	34.6	29.6	21.6	15.6	12
<b>SHRINKAGE PROPERTIES</b>			<b>MD</b>	<b>TD</b>			
Free Shrinkage	100°C	%	D2732	17	27		
	110°C			35	44		
	120°C			63	67		
	130°C			82	80		
Shrink Tension	100°C	Mpa	D2838	2.2	2.65		
	110°C			2.8	3.95		
	120°C			3	4.35		
	130°C			2.9	4.1		

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.