



®

ZHONGDA

Polyolefin Shrink Film

ZDF03

ZDF03 is a multi-layer, high clarity, crosslinked shrink film. This film has the versatility to shrink wrap a wide range of products and is designed for the most demanding applications. ZDF03 is suitable with nearly all shrink wrap seal systems in use today.

Leading with technology...

Leading with value...

Zhongda ZDF03

Multi-Layer, Crosslinked, Shrink Film

- ◇ Excellent gloss and clarity for point of purchase packaging
- ◇ Creates strong durable seals on a wide range of sealing systems
- ◇ High tensile strength and tear resistance for added toughness
- ◇ Excellent machinability on semi-automatic and automatic shrink wrapping equipment
- ◇ High percentage of shrink allows film to conform tightly to irregular shapes
- ◇ Corrosion free sealing with no fumes or sealing system build up
- ◇ Resistant to “burn through” caused by varying tunnel temperatures
- ◇ Works well on a wide range of applications
- ◇ Complies with FDA and USDA regulations governing direct food contact packaging
- ◇ Manufacturing processes are ISO 9001 and ISO 22000 certified

TEST ITEM	UNIT	ASTM Test	TYPICAL VALUES						
			50	60	75	100	125	150	
Gauge			50	60	75	100	125	150	
ROLL LENGTH									
CF			5,250'	4,375'	3,500'	2,625'	2,100'	1,750'	
SW			10,500'	8,750'	7,000'	5,250'	4,200'	3,500'	
TENSILE STRENGTH									
MD	PSI	D882	18,855	19,580	19,580	19,580	19,580	19,580	
TD			18,130	18,130	18,130	18,855	18,855	18,855	
ELONGATION									
MD	%	D882	125	130	130	140	140	145	
TD			120	120	125	130	135	140	
TEAR STRENGTH									
MD	grams	D1922	10.0	14.5	17.5	25.5	33.5	40.0	
TD			9.0	13.5	16.5	25.0	30.0	40.0	
COEFFICIENT OF FRICTION (Film to Film)									
Dynamic		D1894	0.23	0.20	0.22	0.25	0.25	0.25	
Static			0.25	0.21	0.23	0.27	0.25	0.25	
OPTICS									
Haze	%	D1003	2.3	2.6	3.5	3.8	4.2	5	
Clarity	%	D1746	98	98	98	97	94	94	
Gloss @ 45Deg	%	D2457	88	88	87	86	86	85	
BARRIER									
Oxygen Transmission Rate	cc/m ² /day	D3985	10,300	9,500	6,200	5,400	4,200	3,300	
Water Vapor Transmission Rate	g/100sq"/day	F1249	2.2	1.9	1.4	1.0	0.7	0.6	
SHRINKAGE PROPERTIES									
			MD			TD			
Free Shrinkage	212 °F	%	D2732	16		26			
	230 °F			34		43			
	248 °F			62		66			
	266 °F			81		79			
SHRINK TENSION									
Shrink Tension	212 °F	PSI	D2838	305			370		
	230 °F			390			560		
	248 °F			425			615		
	266 °F			405			580		

This information represents our judgment based on tests performed, but Zhongcheng Packaging USA, Inc. assumes no liability whatsoever in connection with the use of this information or suggestions contained herein. They are given and accepted at the user's risk. We urge purchasers to conduct independent tests to determine final suitability for their specific application.