



®

ZHONGDA

Polyolefin Shrink Film

ZDF04

ZDF04 is a multi-layer, anti fog, crosslinked shrink film. This film has the versatility to shrink wrap a wide range of products and was designed to limit condensation caused by refrigerating packages. ZDF04 is suitable with nearly all shrink wrap seal systems in use today.

Leading with technology...

Leading with value...

Zhongda ZDF04

Multi-Layer, Crosslinked, Anti Fog Shrink Film

- ◇ Limits condensation build up in refrigerated food applications
- ◇ Good 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 for 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
- ◇ 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		
GAUGE			45	60	
ROLL LENGTH					
CF			5,830'	4,375'	
SW			11,660'	8,750'	
TENSILE STRENGTH					
MD	PSI	D882	13,700	15,000	
TD			13,700	15,000	
ELONGATION					
MD	%	D882	125	130	
TD			120	125	
TEAR STRENGTH					
MD	gms/ply	D1922	8	10	
TD			8	10	
SEAL STRENGTH					
MD	PSI	F88	164	187	
TD			171	207	
COEFFICIENT OF FRICTION (Film to Film)					
Dynamic		D1894	0.31	0.29	
Static			0.32	0.30	
OPTICS					
Haze	%	D1003	3.8	4.8	
Clarity		D1746	95.5	94.5	
Gloss @ 45Deg	%	D2457	82	80	
BARRIER					
Oxygen Transmission Rate	cc/m ² /day	D3985	12,600	9,500	
Water Vapor Transmission Rate	gm/100sq"/24	F1249	2.3	1.9	
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	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.

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