



Technical Data Sheet ZOi BoPP

Product Description:

ZO i BoPP Film is a two side sealable, one side Corona treated, clear film. ZO i BoPP combines migratory and non-migratory slip and antistatic to obtain a high slip level and low static production. The untreated side has a comprehensive heat seal range. The corona treated side is at the outside face of the roll.

Applications:

This product is designed to for use in the food industry as well as industrial packaging. It meets FDA requirements for direct food contact and its seal properties allow it to be used in multiple VFFS or HFFS packaging machinery.

Standard Dimensions

Thickness (mils)	Yield (in ² /lb)	Width (in)	Core Size	22W" 0 Outside Diam.		30" 0 Outside Diam.		Treated Face
				Length (ft)	Weight	Length (ft)	Weight	
0.59	51,800	15 to 80	3" & 6"	49,000	10.58 lb/in	90,900	21.10 lb/in	Outside
0.69	44,400			41,700		76,900		
0.79	38,900			36,400		67,400		
0.98	31,100			29,200		54,100		
1.18	25,900			24,300		44,900		
1.38	22,200			20,800		38,500		
1.57	19,400			18,200		33,800		
1.97	15,500			14,600		27,100		

Key Features:

- Multiple usages
- Exceptional slip and antistatic properties
- Treated face suitable for good bonds to inks and adhesives
- Excellent flatness and dimensional stability

Typical Values:

Property	Unit	Testing Method	Thickness in								
			0.59	0.69	0.79	0.98	1.18	1.38	1.57	1.97	
Haze	%	ASTM D1003	2		2				2.6	2.9	
Gloss @ 45°	%	ASTM D2457	80								
Coefficient of Friction - Kinetic	NT/NT	-	ASTM D1894	0.2							
	T/T			0	0						
Tensile Strength	MD	lb/in ²	ASTM D882	18,100							
	TD			34,100							
Elongation at Break	MD	%	ASTM D882	18							
	TD			50							
Secant Modulus @ 2%	MD	lb/in ²	ASTM D882	247,000							
	TD			435,000							
Surface Tension	dyne/cm	ASTM D2578	38								
Heat Seal Initiation Temperature	NT/NT	°F	ASTM F88	22							
	T/T			25							
Seal Strength @ 130 °C	NT/NT	g/in	ASTM F2029A	4	5	6	710				
	T/T			3	4	5	610				
Water Vapor T. R. @ 38 °C, 90% R. H.	in ³ /(100 in ² ·day)	ASTM F1249	0.55	0.45	0.40	0.35	0.30	0.30	0.25	0.20	
Oxygen T. R. @ 22 °C, 0% R. H.	cm ³ /(100 in ² ·d)	ASTM D3985	185	155	140	115	105	90	75	65	

Important Considerations:

Material should not be stored in conditions under 30°C with a relative humidity of 60%.

NOTES:

MD Machine Direction
 TD Transverse Direction
 NT Non-Treated Side
 T Treated Side

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