

EVA/PE Shrink Bag Technical Data Sheet

Revision Number: TDS20151015001

1. Physical Property Parameter

No.	Item	Result	Unit	Test method	
1	Tensile strength	MD	>40	Mpa	GB/T 21302
		TD	>50		
2	Elongation at break	MD	>50	%	GB/T 21302
		TD	>50		
3	Hot water shrink rate	MD	>36	%	GB/T 19787 (90°C water ,5 seconds)
		TD	>42		
4	Heat-sealing strength	>16	N/15mm	GB/T 21302	
5	OTR	N/A	cm ³ /m ² .24h.0.1Mpa	GB/T 21302	
6	WVTR	N/A	g/m ² .24h	GB/T 21302	

2. Specification of Size Tolerance

No.	Item	Size range	Tolerance
1	Thickness	50um-100um	±10%
2	Width	165mm-600mm	± 5%
3	Length	100mm-1200mm	± 5%

3. Appearance Parameter

No.	Item	Description
1	Wrinkle	Slight intermittent wrinkles are allowed.
2	Strips and Bubbles	Acceptable if no failure of usage and functions.
3	Scratch, overheating and punctuation ...etc	Not Allowed
4	Film Sticking and Layer Splitting	Not Allowed
5	Foreign Matters, Odors, Smudge and oil stain etc.	Not Allowed
6	Sealing Area	No Insufficient Seal, Flat and No Bubbles.
7	Shape of sealed	Straight line end sealed, Curve end sealed ,Side Sealed
8	Other Defects of Film	Can't affect the use of the bags

4. Health Index.

No.	Item	Limitation	Test result	Test method	
1	Evaporation Residue	4% acetic acid, 60°C, 2h	≤30 mg/L	<2.8 mg/L	GB9683
2		65% ethanol, normal temperature ,2h	≤30 mg/L	<11.5mg/L	GB9683
3		n-hexane , normal temperature ,2h	≤30 mg/L	11.4 mg/L	GB9683
4	Potassium Permanganate Consumption, distilled water , 60°C, 2h	≤10 mg/L	1.21 mg/L	GB9683	
5	Heavy metal (Count by Pb), 4% acetic acid	≤1 mg/L	<1 mg/L	GB9683	
6	Tolylenediamine (4% acetic acid)	≤0.004 mg/L	<0.004 mg/L	GB9683	

5. Use:

Packing for frozen Poultry, livestock meat and products related to be stored in a frozen environment.
 Bag storage temperature: 0°C ~ +4°C or normal temperature below 30°C