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BOPA film (Nylon film)

Application: BOPA is a three layer Biaxially Oriented Polyamide film ,single side corona treated, it have excellent overall properties,which is suitable for general packaging applications

Features: good flex crack resistance, high gas barrier, good clarity

Good strength and puncture/impact resistance

Excellent applications at high or low temperature

Typical performance

Technical Data Sheet on BOPA Film				
Inspection Item		Technical Index	Unit	Typical Value
Thickness		—	μm	15
Thickness Tolerance		GB/T 6672-2001	%	±3.0
Tensile Strength	MD	GB/T 1040.1-2006	MPa	230
	TD			260
Elongation	MD	GB/T 1040.1-2006	%	110-150
	TD			90-130
Tensile Modulus	MD	GB/T 1040.1-2006	MPa	2000
	TD			1550
Tearing Strength	MD	GB/T 16578.2-2009	mN	110
	TD			100
Anti-puncture Strength		GB/T10004-2008	N	12
Shrinkage(160°C,5min)	MD	GB/T 12027-2004	%	≤1.5
	TD			≤1.5
*Friction Coefficient(dynamic/static)	untreated/untreated	GB 10006-1988	—	0.2/0.3
Surface Tension(single side treated)	treated	GB/T 14216-2008	mN/m	54
	untreated			39
Surface Tension(double sides treated)	inner	GB/T 14216-	mN/m	54

	outter	2008		50
Haze		GB/T 2410-2008	%	4
Gloss(45°degree)		ASTM D 2457	%	100-110
OTR(23°C,50%RH)		ASTM D 3985	Cc/(.day.atm)	<50
WVTR(38°C,90%RH)		ASTM F 1249	g/(.day)	260

1.MD machine direction TD transverse direction

2.the value is typical, not the standard .