

BOPP Synthetic Paper

-----Label Facestock

● HY series

Properties:

- double-sided glossy
- color: white and opaque
- density: 0.70-0.80 g/cm³
- double side corona treatment
- one side is used for coating, the other side is for gluing
- main thickness: 48um , 68um , 88um

Typical values:

Testing items		Unit	Testing Method	Requirement
Thickness		μm	GB/T 6672-2001	Markov Control 47-89
Density		g/cm ³	GB/T 6343-2009/ISO 845:2006	0.70-0.80
Tensile strength at break	MD≥	Mpa	GB/T 1040.3-2006/ISO 527-3:1995	70
	TD≥	Mpa		120
Elongation at break	MD≤	%		200
	TD≤	%		100
Heat shrinkage 120°C/2min	MD≤	%	BB/T 0002-2008	3
	TD≤	%		3
Gloss 60° ∠	≥	%	GB 8807-88	80
Haze	≥	%	GB/T 2410-2008	95
Light transmittance	≤	%		22
Whiteness	≥	%	/	Single layer 76
	≥	%		10 layers 90
Tension of corona treatment for one side	≥	Dyn/cm	GB/T 14216-2008/ISO 8296:2003	38
Tension of corona treatment for the other side	≥	Dyn/cm		42

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● MY Series

Properties:

- one side glossy and the other side matte
- color: white and opaque
- density: 0.70 g/cm³
- double side corona treatment
- the glossy side is used for coating, and the matte side is for gluing or coating
- main thickness: 60um

Typical values:

Testing items		Unit	Testing Method	Requirement
Thickness		μm	GB/T 6672-2001	59-61
Density		g/cm ³	GB/T 6343-2009/ISO 845:2006	0.69-0.71
Tensile strength at break	MD≥	Mpa	GB/T 1040.3-2006/ISO 527-3:1995	70
	TD≥	Mpa		140
Elongation at break	MD≤	%		150
	TD≤	%		30
Heat shrinkage 120°C/2min	MD≤	%	BB/T 0002-2008	2.5
	TD≤	%		1.5
Gloss 60° ∠	Glossy side ≥	%	GB 8807-88	85
	Matte side ≤	%		10
Haze	≥	%	GB/T 2410-2008	95
Light transmittance	≤	%		20
Whiteness (10 layers)	glossy/matte	%	/	90/94
Whiteness (single layer)	glossy/matte			76/80
Tension of corona treatment for one side	≥	Dyn/cm	GB/T 14216-2008/ISO 8296:2003	40-41
Tension of corona treatment for the other side	≥			43

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● PG Series

Properties:

- double sided glossy
- color: white and opaque
- density: 0.60-0.70 g/cm³
- double-sided corona treatment
- one side is used for coating and the other side is for adhesive or coating
- main thickness: 108um , 138um , 168um , 188um

Typical values:

Testing items		Unit	Testing Method	Requirement
Thickness		μm	GB/T 6672-2001	107-189
Density		g/cm ³	GB/T 6343-2009/ISO 845:2006	0.60-0.70
Tensile strength at break	MD≥	Mpa	GB/T 1040.3-2006/ISO 527-3:1995	50
	TD≥	Mpa		110
Elongation at break	MD≤	%		200
	TD≤	%		100
Heat shrinkage 120°/2min	MD≤	%	BB/T 0002-2008	3
	TD≤	%		3
Gloss 60°∠	≥	%	GB 8807-88	75
Whiteness	≥	Single layer	/	73
	≥	10 layers		84
Haze	≥	%	GB/T 2410-2008	95
Light transmittance	≤	%		8
Tension of corona treatment for one side	≥	Dyn/cm	GB/T 14216-2008/ISO 8296:2003	38
Tension of corona treatment for the other side	≥	Dyn/cm		42