

BOPP Synthetic Paper

-----In-mold Labels

● LMQ Series

Properties:

- one side glossy and the other side matte
- color: white and opaque
- density: 0.55-0.95 g/cm³
- double-sided corona treatment
- matte side is used for printing
- main thickness: 45-80um

Typical values:

Testing items	Unit		Testing Method	Requirement
Thickness	μm		GB/T 6672-2001	45-80 Markov Control 64-73
Density	g/cm ³		GB/T 6343-2009/ISO 845:2006	0.55-0.95
Tensile strength at break	MD $\geq$	Mpa	GB/T 1040.3-2006/ISO 527-3:1995	65
	TD $\geq$	Mpa		100
Elongation at break	MD $\leq$	%		180
	TD $\leq$	%		30
Heat shrinkage 120°C/2min	MD $\leq$	%	BB/T 0002-2008	2.5
	TD $\leq$	%		1.5
Gloss 60° $\angle$	Glossy side $\geq$	%	GB 8807-88	75
	Matte side $\leq$	%		15
Haze	$\geq$	%	GB/T 2410-2008	95
Light transmittance	$\leq$	%		18
Whiteness (single layer)	$\geq$ (Glossy side)	%	/	88(-3+2)
	$\geq$ (Matte side)	%		92 $\pm$ 2
Friction	Friction between two matte sides	$\leq$		0.5
	Friction between	$\leq$		0.5

coefficient (static/nonstatic)	matte side and glossy side		GB/T 10006-2021/ISO 8295:1995	
	Friction between two glossy sides	$\leq$		0.8
Tension of corona treatment for one side	$\geq$	Dyn/cm	GB/T 14216-2008/ISO 8296:2003	38-39
Tension of corona treatment for the other side	$\geq$	Dyn/cm		42

