

一. Chemical coating film of Copolyester

TYPE:

CC101: one side coated, the other side corona treated

CC102: one side coated, the other side corona untreated

Production description:

Chemical coating film of Copolyester is biaxially oriented polyester film produced by on line coating technology. The used paint is water based copolyester. Polyester film applying to vacuum metallization, water based ink printing and water based coating field can enhance the firmness of metallization, printing and coating. Chemical pretreated polyester film of Copolyester compared with corona treated polyester film have the advantages of high surface tension and stable performance. The treatment effect not reduce as storage time goes by.

Production Structure



Application:

- Vacuum Metallization;
- Water based ink printing;
- Water based glue lamination;
- Water based coating, Organosilicone release coating;
- The products is not suitable to boiling or long term soak.

Main performance:

No	performance			unit	index
1	Mechanical performance	Tensile strength	MD	MPa	≥210
			TD	MPa	≥210
		Elongation at break	MD	%	≥80

			TD	%	≥80
2	Thermal performance	shrinkage (150°C/30min)	MD	%	≤2.0
			TD	%	≤0.5
3	Surface performance	Coefficient of friction	A/B-μs*	—	≤0.6
			A/B-μk*	—	≤0.6
		Surface tension	Coating treated side	mN/m	≥64
			Corona treated side	mN/m	≥52
			Corona untreated side	mN/m	42
4	Optical performance	haze	—	%	≤3.5
		Light transmittance	—	%	≥89

Supply specification:

thickness	width	Inner diameter of paper core
12~25μm	400—2500 mm	152.4.mm (6") or 76.2 mm (3")

- 1) Other specification can negotiate according to the customer's demands;
- 2) Regular roll lengths are 12000m、18000m、24000m for 12u film;
- 9) the other side of the polyester film can be corona treated or untreated according to the customer's demands.

二. Chemical coating film of acrylic ester (printing enhancement)

TYPE

CA201: one side coated, the other side corona treated

CA202: one side coated, the other side corona untreated

Production description:

Chemical coating film of acrylic ester is biaxially oriented polyester film produced by on line coating technology. the used paint is water based polyacrylic acid resin. polyester film after chemical coating can enhance the firmness of printing, coating and lamination.

Production Structure



Application:

- water based or oiliness ink printing;
- U-V light solidifying ink printing;
- PE co-extrusion lamination;
- PVDC coating
- gloss oil coating

Main performance:

No	performance			unit	index
1	Mechanical performance	Tensile strength	MD	MPa	≥210
			TD	MPa	≥210
		Elongation at break	MD	%	≥80
			TD	%	≥80
2	Thermal performance	shrinkage (150℃/30min)	MD	%	≤2.0
			TD	%	≤0.5
3	Surface performance	Coefficient of friction	A/B-μs*	—	≤0.6
			A/B-μk*	—	≤0.6
		Surface tension	Coating treated side	mN/m	40
			Corona treated side	mN/m	≥52
			Corona untreated side	mN/m	42
4	Optical	haze	—	%	≤3.5

	performanc e	Light transmittance	—	%	≥89
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Supply specification:

thickness	width	Inner diameter of paper core
12~25μm	400—2500 mm	152.4.mm (6") or 76.2 mm (3")

- 3) Other specification can produce according to the customer's demands;
- 4) Regular roll lengths are 12000m、18000m、24000m for 12u film;
- 11) the other side of the polyester film can be corona treated or untreated according to the customer's demands.

三. Chemical coating film of polyurethane (metallization enhancement)

TYPE

CP301: one side coated, the other side corona treated

CP302: one side coated, the other side corona untreated

Production description:

Chemical coating film of polyurethane is biaxially oriented polyester film produced by on line coating technology. The used paint is water based polyurethane. Polyester film after chemical coating can enhance the firmness of vacuum metallization, printing, coating and lamination. Chemical pretreated polyester film of polyurethane has outstanding water proof and moisture proof performance. The products after combined working can be used to boil and pasteurization

Production Structure



Application.

- vacuum metallization;
- U-V light solidifying ink printing,coating;
- Ink printing of polyurethane
- glue lamination of polyurethane

- Co-extrusion lamination;

Main performance:

No	performance			unit	index
1	Mechanical performance	Tensile strength	MD	MPa	≥210
			TD	MPa	≥210
		Elongation at break	MD	%	≥80
			TD	%	≥80
2	Thermal performance	shrinkage (150°C/30min)	MD	%	≤2.0
			TD	%	≤0.5
3	Surface performance	Coefficient of friction	A/B-μs*	—	≤0.6
			A/B-μk*	—	≤0.6
		Surface tension	Coating treated side	mN/m	56
			Corona treated side	mN/m	≥52
			Corona untreated side	mN/m	42
4	Optical performance	haze	—	%	≤3.5
		Light transmittance	—	%	≥89

Supply specification:

thickness	width	Inner diameter of paper core
12~25μm	400—2500 mm	152.4.mm (6") or 76.2 mm (3")

5) Other specification can produce according to the customer's demands;

6) Regular roll lengths are 12000m、18000m、24000m for 12u film;

3) the other side of the polyester film can be corona treated or untreated according to the customer's demands.