

BAGS and SACKS

- Shopping Bags
- Technical Sacks (e.g. Cement , Chemical, ..)
- Food Sacks
- PET Food Bags

Shopping Bags



- Production of handles with Hot melt
- Straight line gluing with aqueous dispersion PVAc
- Handle attachment with aqueous dispersion PVAc
- Bottom gluing with aqueous dispersion base STARCH or PVAc

Shopping Bags



- Production of handles with Hot melt
- Straight line gluing with Hot Melt POPs base
- Handle attachment with Hot Melt POPs base
- Bottom gluing with aqueous dispersion base COPOLYMERS for difficult support

Shopping Bags

Products	Base Aqueous	Viscosity 20°C mPa.s	Dry Substance %	Application	Substrates	
CL 136 M CL 270 A	PVAc PVAc	2500 - 3500 2500 - 3500	50 - 54 55 - 59	Nozzle / Wheel Nozzle / Wheel	Normal Normal / Difficult	Straight Line Straight line High Speed
BN 641 M BN 641 BN 645	Blend Starch-PVAc Blend Starch-PVAc Blend Starch-PVAc	50000 - 70000 130000 - 140000 150000 - 170000	20 - 24 27 - 31 29 - 33	Rotating Cylinder Rotating Cylinder Rotating Cylinder	Normal Normal Normal	Bottom Bottom Bottom
CL 543 CL 545	Copolymers Copolymers	25000 - 35000 80000 - 100000	61 - 65 61 - 65	Rotating Cylinder Rotating Cylinder	Difficul Difficul	Bottom Bottom

Products	Base Hot Melt	Viscosity 170°C mPa.s	Softening Point °C	Application	Substrates	Color
HM 318 HM 2451	Hot Melt EVA Hot Melt POPs	700 - 1000 1000 - 1300	110 - 115 95 - 105	Nozzle Nozzle	Normal Normal / Difficul	Pale Yellow Long Open Time
HM 2471	Hot Melt POPs	1000-1300	105 - 110	Nozzle	Normal	High Speed

Technical Sacks



- Transversal bonding by dots.
Free-Film on Kraft



- Straight line gluing by wheel or nozzle



Technical Sacks

- Water based Products

Products	Base Aqueous	Viscosity 20°C mPa.s	Dry Substance %	Application	Substrates
CL 2464	Copolymer Blend	900 - 1500	51 - 56	Dots Roller	Free-Film on Kraft
CL 2433	Copolymer Blend	1000 - 1500	53 - 57	Dots Roller	Free-Film on Kraft
CL 270 M	PVAc	2500 - 3500	55 - 59	Wheel / Nozzle	Normal Kraft / Kraft
CL 270 A	PVAc	2500 - 3500	55 - 59	Wheel / Nozzle	Difficult Kraft / Kraft
CL 580	Copolymer	2000 - 3000	53 - 57	Wheel / Nozzle	Kraft on PE Paper

Food Sacks



- Straight line gluing by wheel or nozzle.

Paper / Paper
Paper / Film
Paper / Aluminum
Paper

- Bottom



Food Sacks

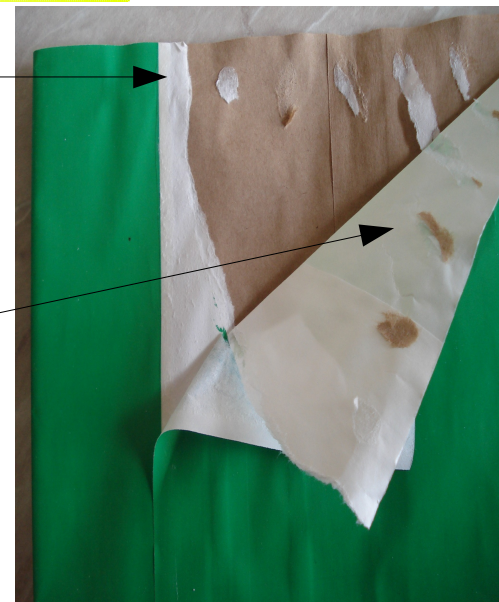
- Water based Products

Products	Base Aqueous	Viscosity 20°C mPa.s	Dry Substance %	Application	Substrates
CL 270 A	PVAc	2500 - 3500	55 - 59	Wheel / Nozzle	Straight line Normal Paper
CL 2415	Acrylic	2500 - 3500	65 - 69	Wheel / Nozzle	Straight Line Normal Paper / Film and Normal Paper / Aluminum Paper
CL 140	PVAc	30000 - 40000	52 - 56	Roller	Bottom Normal Paper
CL 570	Acrylic	Different viscosity for customers' needs different	68 - 72	Roller	Bottom Normal Paper / Film and Normal Paper / Aluminum Paper
CL 543	Copolymer	25000 - 35000	61 - 65	Roller	Bottom Normal Paper / Film and Normal Paper / Aluminum Paper
CL 545	Copolymer	80000 - 10000	61 - 65	Roller	Bottom Normal Paper / Film and Normal Paper / Aluminum Paper

PET Food Bags



- Straight line gluing by wheel or nozzle
- Transversal dots Kraft / Kraft
- Pinch bottom closing





PET Food Bags

- Water and HM Products

Products	Base Aqueous	Viscosity 20°C mPa.s	Dry Substance %	Application	Substrates
CL 270 A	PVAc	2500 - 3500	55 - 59	Wheel / Nozzle Dots-Cylinder Wheel / Nozzle	Straight line Normal Paper and Transversal Dots (Kraft-Kraf) + (Kraft-White Paper) and Transversal line Bottom (Kraft - White Paper)

Products	Base Hot Melt	Viscosity 170°C mPa.s	Softening Point °C	Application	Substrates
HM 307	HM EVA	1800 - 2000	108 - 113	Nozzle	Pinch bottom Closing