



Hot Melt Adhesives for Container Labeling

Hot Melt Pressure Sensitive Adhesives

Application	Clarity® PHL 4150N	Clarity® PHL 4170	Clarity® PHL 4167	Clarity® PHL 3405	Clarity® PHL 4169	Clarity® PHL 4164	Clarity® 3132
Label Application	Roll Fed Label Stock	Magazine & Roll Fed Label Stock	Magazine & Roll	Magazine Label Stock	Magazine & Roll Fed Label Stock	Magazine Label Stock	Magazine Label Stock
Label substrate	Paper, OPP	Paper, PP, PE	Paper, OPP	Paper	Paper, PP, PE	Paper	Paper
Containers	Glass, PET, Metal	Glass, PET, Metal	Glass, PET, Metal	Glass, PET, Metal	Glass, PET, Metal	Glass, PET, Metal	Metal
Container condition	Cold & wet		Cold & wet	Cold & wet		Cold & warm	20-50°C
Stain Resistant				Good			
Expansion	Good	Good			Good		
Machine Speed	Very Fast / Medium	Fast / Medium	Fast / Medium	Fast / Medium	Medium / Fast	Fast / Medium	Fast
Non contact labelling. Nordson & Robatech	Non Contact		Non Contact & E Dot				Horizontal Labelling only
Application	Roller, nozzle or swirl	Roller, wheel or swirl	Roller, nozzle wheel or swirl	Roller, wheel or swirl	Roller, wheel or swirl	Wheel or swirl	Wheel
Application Temp.	130 - 160°C	130 - 160°C	140 - 175°C	135 - 175°C	130 - 160°C	140 - 175°C	110 - 150°C
Open Time	HMPSA	HMPSA	HMPSA	HMPSA	HMPSA	Very long	Very long
Viscosity at 150°C	540 mPas	780 mPas	750 mPas	800 mPas	600 mPas	805 mPas	2,300 mPas
Color	Light yellow	Light yellow	Light yellow	Nearly transparent	Transparent	Light yellow	White
Delivery form	Zeropack	Zeropack	Zeropack	Zeropack	Zeropack	Pillows, Zeropack	Prills
Comments	Suitable for very high speed controllable machines. Can be used for bonding difficult substrates.	Standard choice for general purpose use. Very well suited for CSD PET bottles.	Hard-to-bond substrates Very high cohesion for stiff labels.	Stain resistant for light-weight or porous paper Hard to bond substrates.	Completely transparent General Purpose for paper and PP/PE labels Good expansion and very well suited for CSD PET bottles.	Strong hot tack Best in class can labelling product. No container expansion with paper labels.	Paper labels & cans for roll through.

* CSD: Carbonated Soft Drinks

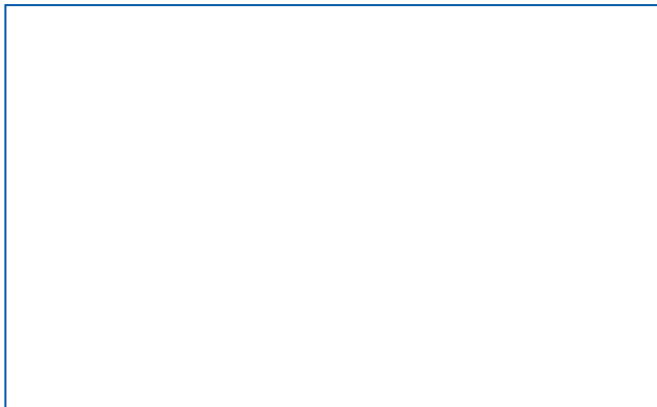


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Hot Melt Pressure Sensitive Adhesives

Use & technical parameters	swift [®] melt 3110	swift [®] melt 3090	swift [®] melt 3111	swift [®] melt 3107
Label Application	Roll Fed Label Stock	Roll Fed Label Stock	Magazine & Roll Fed Label Stock	Magazine Label Stock
Label substrate	Paper, OPP	Paper, OPP	Paper, OPP	Paper, OPP
Containers	PET, PVC & PE	PET, PVC & PE	PET, PVC & PE	Metal, PET & PVC
Container condition				20-50°C
Approvals		PET Cycle		
Stain Resistant				Good
Expansion			Good	
Machine Speed	Fast	Fast	Medium	Fast
Non contact labelling Nordson & Robatech	Krones Controll	Krones Controll		Non Contact
Application	Roller & wheel	Roller & wheel	Roller & wheel	Roller, wheel or swirl
Application Temp.	120 - 160°C	120 - 160°C	120 - 160°C	120 - 150°C
Viscosity at 150°C	400 mPas	250 mPas @ 160°C	1,200 mPas	600 mPas
Color	Nearly transparent	Pale yellow	Pale yellow	Pale yellow
Delivery form	625g Pillow	625g Pillow	625g Pillow	625g Pillow

Please contact our distribution partner:



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