Printing & Packaging Functional Packaging Coatings

Technical Data Sheet

Joncryl[®] HSL 9012 Preliminary Data Sheet



- Economical - Low odor - Low activation temperature Acrylic copolymer emulsion	
Appearance Molecular weight (Mw) Non-volatile Acid value pH Density at 25°C Tg These typical values should not be in	translucent emulsion > 200,000 39% 35 mg KOH/g 8.0 1.04 g/cm ³ <5°C terpreted as specifications.
for pharmaceutical blisters. Heat sea soft-tempered aluminum push-throug PVC and PET. The product is not re- Compared to solvent-based heat sea	een developed for heat seal lacquers on push-through lidding foil I lacquers based on Joncryl HSL 9012 are suitable for hard- and h foils in all standard gauges, sealed against PVC, PVDC-coated commended for sealing against PE and PP blister materials. I lacquers, Joncryl HSL 9012:
	Nolecular weight (Mw) Non-volatile Acid value pH Density at 25°C Tg These typical values should not be in Applications Joncryl [®] HSL 9012 has specifically be for pharmaceutical blisters. Heat sea soft-tempered aluminum push-throug PVC and PET. The product is not rec

- · Leaves no retained solvent
- Delivers comparable blister integrity

Formulation Guidelines

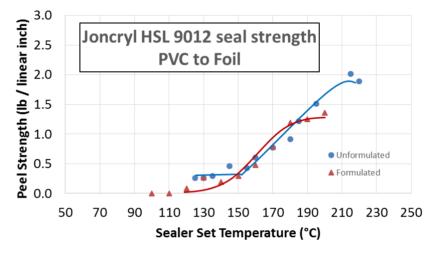
Joncryl[®] HSL 9012 should be blended with a defoamer and wax (dry or emulsified) for press stability and scratch resistance. It is also possible to blend in resin solution and/or fillers such as talc to optimize application properties and block resistance.

93-94 parts	Joncryl [®] HSL 9012
3-5 parts	talcum
1-2 parts	Joncryl Wax 28
0.5 parts	Foamaster MO 2111

Application Guidelines

Heat seal lacquers based on Joncryl[®] HSL 9012 can be applied on standard converting machines; dilute with water to required application viscosity.

Recommended coating weight: 4-6 g/m², drying temperature 100-180°C. Recommended sealing conditions: 160-220°C, >45 psi, 0.5-1.0 seconds



The plot above shows the bond strength at various sealing temperatures. The "Unformulated" curve shows Joncryl HSL 9012 applied neat, while the "Formulated" curve was generated with the starting point formula below. Coatings were applied with a wire wound bar to 2.5 mm O-temper aluminum foil and sealed to 1mm PVC sheet. The coated surfaces are sealed together at 1 bar/14.5 psi for 1 second. Results will vary with substrate thickness, seal pressure and seal time.

Safety

General

The usual safety precautions when handling chemicals must be observed. These include the measures described in Federal, State, and Local health and safety regulations, thorough ventilation of the workplace, good skin care, and wearing of protective goggles.

Safety Data Sheet

All safety information is provided in the Safety Data Sheet for Joncryl[®] HSL 9012.

Important

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