

Printing & Packaging Functional Packaging Coatings

Technical Data Sheet

Joncryl[®] HSL 9010 Preliminary Data Sheet



Product Description	Joncryl [®] HSL 9010 is an acrylic copolymer emulsion for use in waterbased heat seal lacquers for cardboard blister packs and flexible packaging.
Key Features & Benefits	<ul style="list-style-type: none">- Economical- Low sealing temperature- Good block resistance
Chemical Composition	Acrylic copolymer emulsion

Properties

Typical Properties	Appearance	translucent emulsion
	Molecular weight (Mw)	> 200,000
	Non-volatile	45%
	Acid value	60 mg KOH/g
	pH	7.3
	Viscosity at 25°C	70 cP
	Density at 25°C	1.03 g/cm ³
	Tg	-10°C

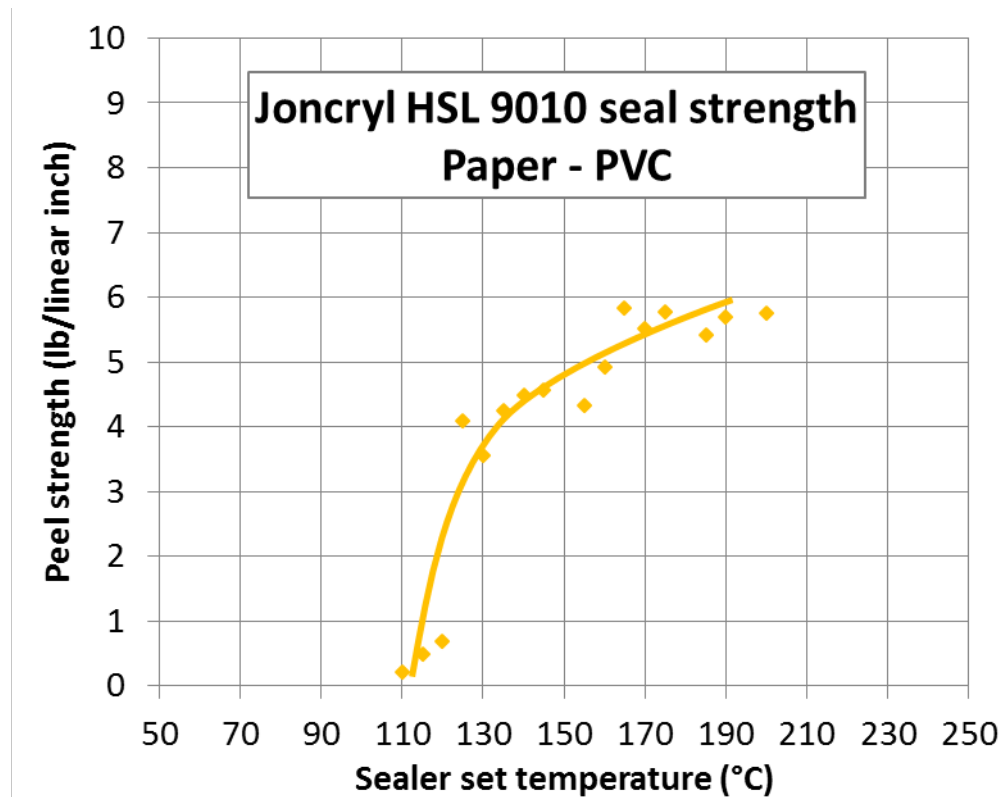
These typical values should not be interpreted as specifications.

Applications

Joncryl[®] HSL 9010 is an acrylic copolymer that offers good bond strength at low sealing temperatures, suitable for producing cardboard blister packs. Due to the low activation temperature, it allows shorter dwell times on the sealing equipment, which can result in improving the throughput of blister packaging lines of 20-50%.

Joncryl[®] HSL 9010 is recommended for applications such as:

- Heat seal lacquers for cardboard blister packs
- Heat seal lacquers for cardboard boxes
- Heat seal lacquers for strip-off foil on pharmaceutical blister packs
- Heat seal lacquers for PET lidding/tray combinations



The plot above shows the bond strength at various sealing temperatures. The Joncryl HSL 9010 was applied neat, with a wire wound bar, to 18 pt SBS paper stock and 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 9010.

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