

# Functional Packaging Coatings

Technical Data Sheet



## Joncryl® HRC 1661

<b>Product Description</b>	Joncryl® HRC 1661 is a hybrid, film forming, Rheology Controlled (RC) acrylic emulsion for overprint varnish and functional packaging coating applications.
<b>Key Features &amp; Benefits</b>	<ul style="list-style-type: none"><li>- Rub resistance</li><li>- High slide angle</li><li>- Water resistance</li></ul>
<b>Chemical Composition</b>	RC acrylic emulsion

### Properties

<b>Typical Properties</b>	Appearance	semi-translucent emulsion
	Non-volatile at 145°C (2g, 30 min)	~ 47.5%
	pH at 25°C	~ 8.7
	Viscosity at 25°C (#2 LV, 30 rpm, 30 sec)	~ 200 – 1,000 cps
	Molecular weight (Mw)	> 200,000
	Acid number (NV)	54
	Density at 25°C	1.02 g/cm <sup>3</sup>
	MFFT	< 0°C
	Tg	- 42°C
	Freeze-thaw stable	No
	Total VOC	0.3% wt

These typical values should not be interpreted as specifications.

### Applications

Joncryl® HRC 1661 is a high performance film forming, hybrid RC acrylic emulsion for overprint varnish applications. It provides significant improvements in rub and water resistance at a cost equal to comparable acrylic emulsions. It can be used as a letdown vehicle in paper and paperboard inks. The flexibility of Joncryl® HRC 1661 will enhance the rub resistance of inks even when used at low levels.

Joncryl® HRC 1661 is recommended for applications such as:

- Overprint varnishes for commercial, publication, or packaging applications
- Functional packaging coatings applications

## 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® HRC 1661.

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