

Printing & Packaging

Technical Data Sheet

Joncryl® HR 1620



Product Description	Joncryl® HR 1620 is a high heat-resistant, Rheology Controlled (RC) acrylic emulsion for printing ink and overprint varnish applications.
Key Features & Benefits	- Very high heat release - Good water resistance
Chemical Composition	RC acrylic emulsion

Properties

Typical Properties	Appearance	translucent emulsion
	Non-volatile at 145°C (2g, 60 min)	~ 40.6%
	pH at 25°C	~ 10.0
	Viscosity at 25°C (#2 LV, 60 rpm, 30 sec)	~ 200 cps
	Non-volatile	40%
	Density at 25°C	1.04 g/cm ³
	MFFT	< 10°C
	Total VOC	< 0.4% wt

These typical values should not be interpreted as specifications.

Applications

Joncryl® HR 1620 is a film forming RC acrylic emulsion that impacts maximum heat release and water resistance to ink and overprint varnish formulations

Joncryl® HR 1620 is recommended for applications such as:

- Printing inks for flexographic or gravure applications
- Overprint varnishes for packaging applications

Compatibility with other Joncryl® Polymers:

	75/25 <u>Joncryl® HR 1620/Polymer</u>	50/50 <u>Joncryl® HR 1620/Polymer</u>
Joncryl® 60	1360*	3000*
Joncryl® HPD 96	1060	2280
Joncryl® 74-A	380	1200
Joncryl® 80	280	160
Joncryl® 537	Gel	Gel
Joncryl® 538	220	280
Joncryl® 585	340	240
Joncryl® 624	500	1680
Joncryl® 660	400	200
Joncryl® HRC 1661	588	2840
Joncryl® 1695	560	920
Joncryl® 2153	580	1240
Joncryl® 2640	Gel	Gel
Joncryl® 2660	400	680

*Viscosity, cps; Brookfield LVF #3 spindle, 30 rpm, 25°C.

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® HR 1620.

Important

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