

Key Features & Benefits

- *Very high heat release*
- *Good water resistance*

HIGH HEAT RESISTANT ACRYLIC EMULSION

General Information

Typical Physical Characteristics

Appearance	Translucent emulsion
pH	9.6
Non-Volatile, %	41
Viscosity, cps*	200
Density at 25°C, g/cm ³	1.04
Minimum Film Forming Temp., °C	< 10
Total VOC, % weight	0.4

*Brookfield LVF #3 spindle, 30 rpm, 25°C.
These typical values should not be interpreted as specifications.

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

This product contains zinc oxide.

STARTING POINT FORMULATION:

Heat Resistant Overprint Varnish:

Joncryl HR 1620	91.9
Water	1.9
Defoamer	0.1
Wetting agent	0.4
Joncryl WAX 26	<u>5.7</u>
TOTAL	100.0

Physical Characteristics

pH	9.5
Viscosity, cps*	100
Viscosity, seconds Zahn #2	27
Heat Resistance, °F ^(a)	600

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

(a) 40lb coated paper, "W" fold, 80 psi, 5 seconds.

Compatibility with other Joncryl Polymers:

	75/25	50/50
	<u>Joncryl HR 1620/Polymer</u>	<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 HRC 1663	480	1400
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.

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