

# Printing & Packaging

## Technical Data Sheet

### Joncryl® 692



<b>Product Description</b>	Joncryl® 692 is an economical general purpose, mid-range molecular weight acrylic resin for overprint varnish and printing ink applications.
<b>Key Features &amp; Benefits</b>	<ul style="list-style-type: none"><li>- Good gloss and holdout</li><li>- Good clarity</li><li>- Promotes resolubility</li></ul>
<b>Chemical Composition</b>	Styrene acrylic resin

#### Properties

<b>Typical Characteristics</b>	Appearance	clear flakes
	Molecular weight (Mw)	8,000
	Non-volatile	99.1
	Acid number (NV)	227
	Density at 25°C	1.16
	Tg	84°C

These typical values should not be interpreted as specifications.

#### Applications

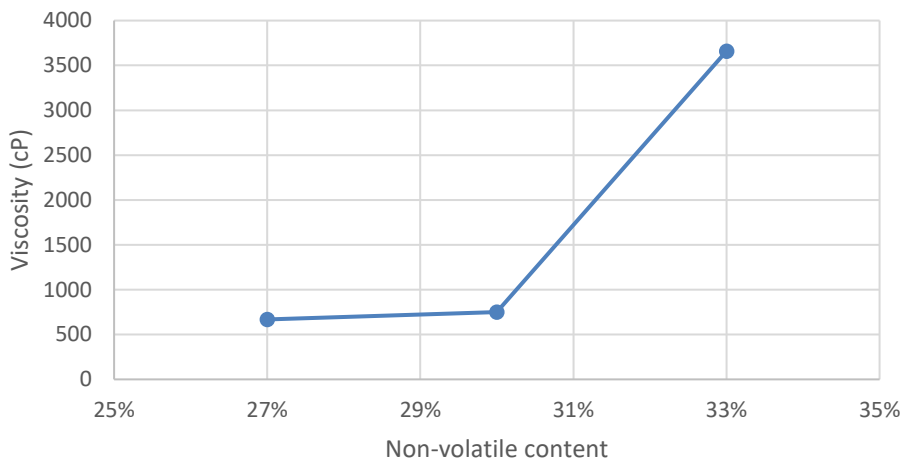
Joncryl® 692 is a general purpose, mid-range molecular weight acrylic resin that offers superior value when used as a component in overprint varnishes or as an ink-extender resin. It promotes gloss, holdout, and resolubility in ink and overprint varnish formulations.

Joncryl® 692 is recommended for applications such as:

- Overprint varnishes for packaging, commercial, or publication applications
- Printing inks for flexographic or gravure applications

## Joncryl® 692 solution in water and ammonia

### Viscosity vs. % Non-volatile at pH 8.5



#### Starting Point Formulations

The following starting point formulations are recommended for initial evaluations of Joncryl 692. Further optimization of the formulations will be required to achieve desired results for specific applications.

##### Resin solution:

Ingredient	Quantity (%)	Description
Joncryl® 692	33.0	High Tg resin for transfer, gloss and resolubility
Ammonia (28%)	7.1	Neutralizing agent
Water	59.9	Diluent
<b>TOTAL</b>	<b>100.0</b>	
Viscosity, Brookfield #2, 30 rpm	3600	cP

##### General purpose OPV:

Ingredient	Quantity (%)	Description
Joncryl® 89	35.0	High Tg emulsion for block resistance and dry speed
Joncryl® 77	30.0	Mid-range film forming emulsion for water and rub resistance
Joncryl® Wax 26	8.0	Wax emulsion for rub and scuff resistance
Joncryl® 692 solution (above)	20.0	Resin solution for enhanced transfer, gloss, and resolubility
Surfactant	3.0	Wetting agent
Antifoam	0.2	Foam control
Water	3.8	Diluent
<b>TOTAL</b>	<b>100.0</b>	
Viscosity, Zahn #3	15 – 20	seconds

## 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.

#### Material Safety Data Sheet

All safety information is provided in the Material Safety Data Sheet for Joncryl® 692.

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### **U.S. & Canada**

BASF Corporation  
11501 Steele Creek Rd  
Charlotte, NC 28273  
Phone: (800) 231-7868  
Fax: (800) 392-7429  
Email: [Custserv\\_charlotte@basf.com](mailto:Custserv_charlotte@basf.com)  
Email: [edtech\\_info@basf.com](mailto:edtech_info@basf.com)  
[www.basf.us/dpsolutions](http://www.basf.us/dpsolutions)

### **Mexico**

BASF Mexicana, S.A. de C.V.  
Av. Insurgentes Sur # 975  
Col. Ciudad de los Deportes  
C.P. 03710  
Mexico, D.F.  
Phone: (52-55) 53-25-2756  
Fax : (52-55) 57-23-3011