

# Joncryl<sup>®</sup> HPD 696

<b>Product Description</b>	Joncryl HPD 696 is a high-performance acrylic resin for pigment dispersion applications.
<b>Key Features &amp; Benefits</b>	- <b>High pigment concentrations at low viscosity</b> - <b>Viscosity stability</b> - <b>Color development and gloss</b>
<b>Chemical Composition</b>	Styrene acrylic resin

---

## Properties

<b>Typical Properties</b>	Appearance		clear flakes
	Acid number		220
	Molecular weight (Mw)		16,000
	Non-volatile	%	98.9
	Density at 25°C	g/cm <sup>3</sup>	1.16
	Softening point	°C	155
	Tg	°C	88
	Total VOC	% wt	1.1

These typical values should not be interpreted as specifications.

---

## Application

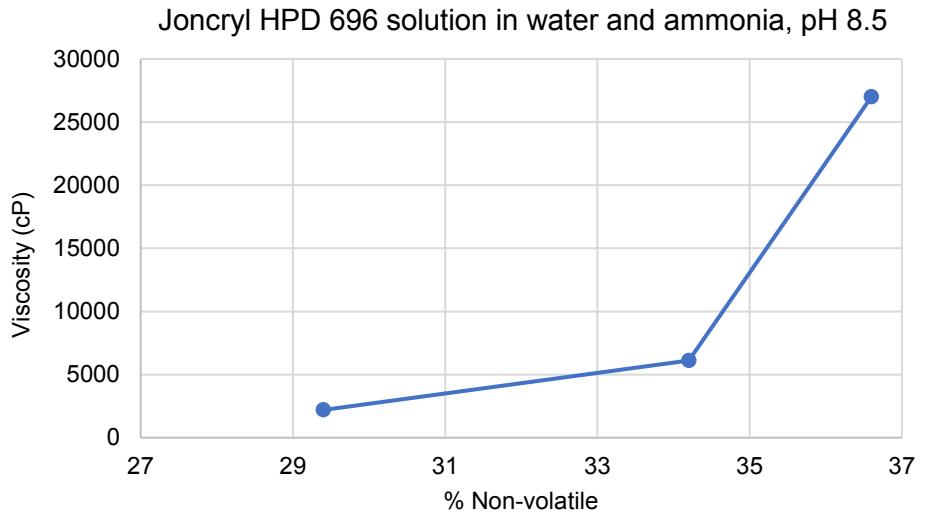
Joncryl HPD 696 is a high molecular weight acrylic resin specifically designed to improve the color development and gloss of pigment dispersions without compromising ink stability. Dispersions formulated with Joncryl HPD 696 approach the quality of chip dispersions.

Joncryl HPD 696 is recommended for applications such as:

- Pigment dispersions

Joncryl HPD 696 provides improved pigment wetting, color strength, and gloss compared to conventional dispersion resins. This allows the formulation of high solids, low viscosity pigment dispersions that have excellent rheology, flow, and stability.

**Processing** Dispersions with pigment loadings of 35 – 40% can often be achieved with Joncryl HPD 696. A pigment-to-binder ratio of 4:1 will generally yield good viscosity and shock stability.



---

## 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 HPD 696.

---

## Storage

Please refer to the "Handling and Storage of Polymer Dispersions" brochure.

---

## Important

The descriptions, designs, and data contained herein are presented for your guidance only. Because there are many factors under your control which may affect processing or application/use it is necessary for you to make appropriate tests to determine whether the product is suitable for your particular purpose prior to use. **NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, OR DATA MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, DATA OR DESIGNS PROVIDED BE PRESUMED TO BE A PART OF OUR TERMS AND CONDITIONS OF SALE.** Further, you expressly understand and agree that the descriptions, designs, and data furnished by BASF hereunder are given gratis and BASF assumes no obligation or liability for same or results obtained from use thereof, all such being given to you and accepted by you at your risk.

*Joncryl is a registered trademark of BASF Group.*

© BASF Corporation, 2019



BASF Corporation is fully committed to the Responsible Care® initiative in the USA, Canada, and Mexico.

For more information on Responsible Care® go to:

U.S.: [www.basf.us/responsiblecare\\_usa](http://www.basf.us/responsiblecare_usa)

Canada: [www.basf.us/responsiblecare\\_canada](http://www.basf.us/responsiblecare_canada)

México: [www.basf.us/responsiblecare\\_mexico](http://www.basf.us/responsiblecare_mexico)

### **BASF Corporation**

Dispersions and Resins  
11501 Steele Creek Road  
Charlotte, North Carolina 28273  
Phone: (800) 251 – 0612  
Email: [CustCare-Charlotte@basf.com](mailto:CustCare-Charlotte@basf.com)  
Email: [edtech\\_info@basf.com](mailto:edtech_info@basf.com)  
[www.basf.us/dpsolutions](http://www.basf.us/dpsolutions)