

Joncryl[®] 690

general	a styrene-acrylic pigment dispersion resin for use in pigment dispersions for water-based inks
key features & benefits	<div>good viscosity stability</div> <div>good pigment wetting and color development</div> <div>good gloss and transparency</div>
chemical nature	styrene-acrylic resin

Properties

appearance	clear solid resin										
typical characteristics <i>(should not be interpreted as specifications)</i>	<table><tr><td>non-volatile</td><td>99 %</td></tr><tr><td>molecular weight (wt. av.)</td><td>16,500</td></tr><tr><td>acid value (on solids)</td><td>240</td></tr><tr><td>density at 25 °C</td><td>1.10 g/cm³</td></tr><tr><td>glass transition temperature T_g (DSC)</td><td>105 °C</td></tr></table>	non-volatile	99 %	molecular weight (wt. av.)	16,500	acid value (on solids)	240	density at 25 °C	1.10 g/cm ³	glass transition temperature T _g (DSC)	105 °C
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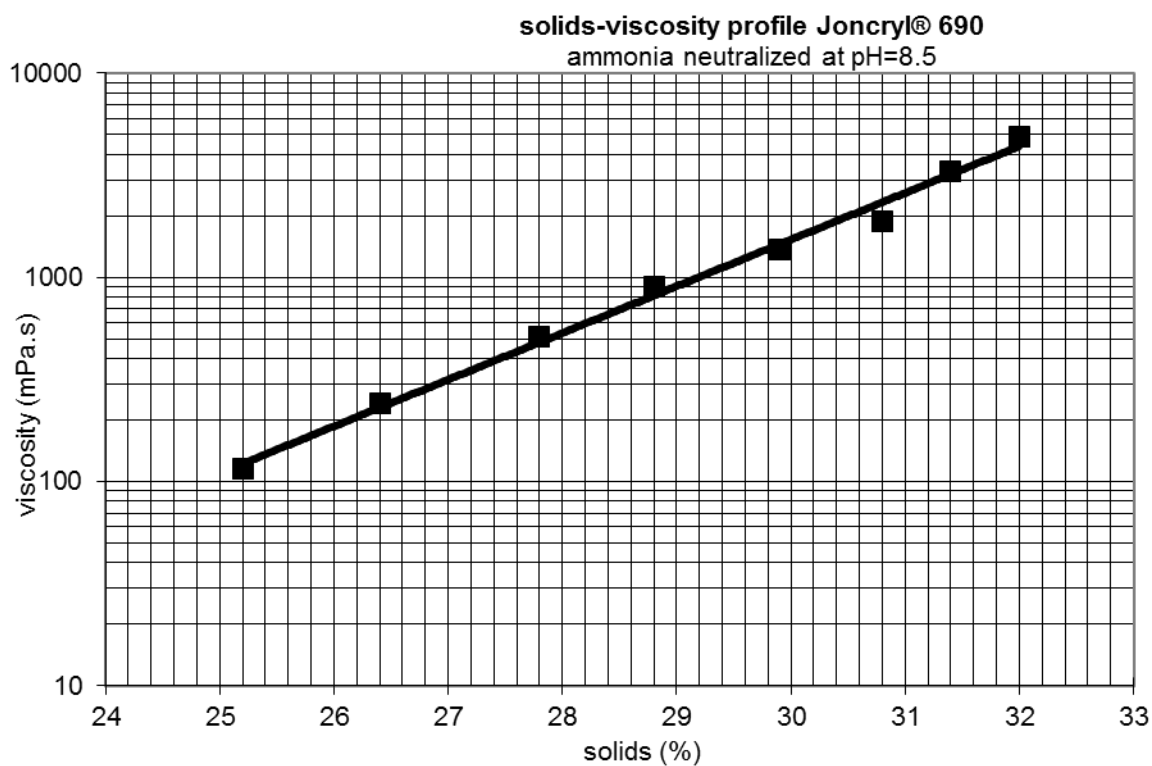
Application

Joncryl[®] 690 is an acrylic resin designed to produce high quality water-based pigment dispersions.

Typical formulation using Joncryl® 690

neutralized solution

30.0 parts	Joncryl® 690
8.6 parts	ammonia 25 %
61.4 parts	water
100.0 parts	
pH	8.7
Viscosity mPa.s (25°C Brookfield)	1,050



Typical formulations using Joncryl® 690

pigment concentrate

30.0 parts	Joncryl® 690
35.0 parts	organic pigment
0.5 parts	defoamer
34.5 parts	water
100.0 parts	

For further detailed application information please contact our Technical Support Department.

Joncryl® 690 TDS EN (08-2019)

Safety

When handling this product, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

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