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Joncryl® 690

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

Properties

appearance clear solid resin

typical characteristics
(should not be interpreted as specifications)

non-volatile	99 %
molecular weight (wt. av.)	16,500
acid value (on solids)	240
density at 25 °C	1.10 g/cm³
glass transition temperature Tg (DSC)	105 °C

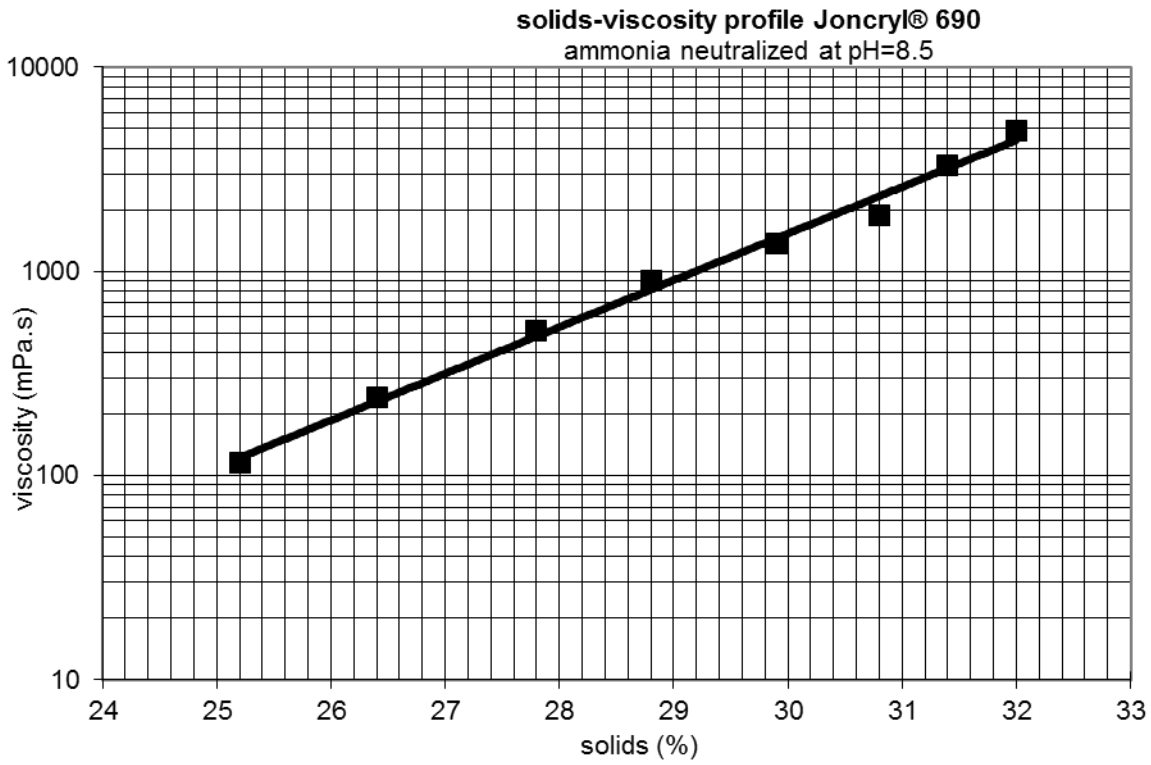
Application

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.

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