BASF
The Chemical Company

JONCRYL® HPD 296

Key features and benefits

- enables high pigmented low viscosity dispersions
- improves storage and shock stability
- reduces mill time

high performance resin solution for highly pigmented dispersions

General information

Typical physical characteristics (not to be considered specifications)

appearance	clear solution
non-volatile	35.5%
molecular weight (wt. av.)	11,500
viscosity at 25 °C (77 °F) (Brookfield)	600 mPa.s
pH	8.7
acid value (on solids)	141
density at 25 °C (77 °F)	1.08 g/cm^3
glass transition temperature Tg (DSC)	15 °C (59 °F)
freeze/thaw-stable	yes

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Applications

JONCRYL® HPD 296 is a high performance dispersion resin solution designed to improve the viscosity and shock stabilitiy of highly pigmented dispersions.

Dispersions made with JONCRYL® HPD 296 resin exhibit very good shock stability and may be used in automated dispensing equipment without the need for further buffering.

JONCRYL® HPD 296 resin improves milling efficiencies by allowing for higher pigment loading and more efficient dispersion characteristics.

Typical formulations using JONCRYL® HPD 296

pigment dispersions

The improved rheology characteristics of JONCRYL® HPD 296 resin enable the manufacture of high pigment loading, low viscosity organic color dispersions that are viscosity stable under normal storage conditions.

	A	B	C	D
lithol rubine 57:1	40.0	-	-	-
phthalo blue 15:3	-	46.0	-	-
diarylide yellow	-	-	44.0	-
carbon black	-	-	-	42.0
JONCRYL® HPD 296	27.6	31.8	30.4	38.7
antifoam	1.0	1.0	1.0	1.0
water	31.4	21.2	24.6	18.3
	100.0	100.0	100.0	100.0
pigment to binder ratio	4/1	4/1	4/1	4/1

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

Typical Procedure

1. Pre-blend batch to uniformity using high speed dispersing equipment.
2. Feed blend into a small media mill.
3. Increase speed and disperse to required fineness of grind.

Safety

When handling these products, advice and information given in the safety data sheet must be complied with. Further, protective and workplace hygiene measures adequate for handling chemicals must be observed.

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. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

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