



KAMSONS CHEMICALS PVT. LTD.

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Technical Data Sheet

KAMICRYL-2077

ACRYLIC POLYMER EMULSION FOR PAPER, PRIMED FOIL, AND SELECTED SPECIALTY SUBSTRATES

Hard Film, Fast Drying, Gloss and Transparency, Compatibility With Pigment Dispersions.

TYPICAL PHYSICAL CHARACTERISTICS:

Appearance	Translucent Milky Emulsion
pH	8.3
Non- Volatile %	46
Viscosity, cps	500
(Brookfield LVF #2 spindle, 30 rpm, 25°C)	
Glass Transition Temperature, °C(Tg)	21
Acid Number, (NV)	55
Molecular Weight, Mw	>200,000
Freeze/Thaw stable	Yes
Minimum Film Forming Temp., °C	20
Theoretical VOC, % wt.(by GC analysis)	1.0
Density, g/cc, (25°C)	1.05
Flash Point	None

KAMICRYL-2077 is a Rheology Controlled (RC) acrylic polymer emulsion that exhibits superior gloss, transparency, and printability on many porous or primed substrates common to the graphic arts.

Additionally, KAMICRYL-2077 provides: film formation, resolubility, block resistance, rub resistance, water resistance, low foaming, high solids, and near Newtonian viscosity. KAMICRYL-2077 is an essential component of overprint varnishes that require gloss, holdout, block resistance, and water spot resistance.

Compatibility with Alcohol:

KAMICRYL-2077	95.0	95.0	95.0
Water	5.0	----	---
Isopropyl Alcohol	----	5.0	----
Normal Propyl Alcohol	----	----	5.0
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Total	100.0	100.0	100.0

pH	8.5	8.2	8.2
Initial Viscosity, cps	180	420	320
24-Hour Viscosity, cps	170	405	345
One Week Viscosity, cps	160	365	310

Brookfield LVF #2 spindle, 30 rpm, 25° C