Casamid® 831

Co-Solvent Polyamide Resin

Exceptional Ink Transfer

Optimised for Alcohol Hydrocarbon Systems

Strong Film Intergrity

Product Description

Casamid® 831 is a thermoplastic, non-reactive co-solvent polyamide resin designed for use in gravure inks and lacquers. It offers the typical characteristics of co-solvent resins, including excellent solvent release and good lay, while exhibiting limited gelation resistance and low tolerance to polar solvents. Within the Casamid® portfolio, Casamid® 831 delivers the highest performance in alcohol-hydrocarbon systems.

Applications

- **Flexible Packaging** - gravure inks for OPP, PE, PET films for fast drying, high adhesion, strong colour holdout.
- **Publication & Graphics -** inks for catalogues, labels, decorative film prints ensuring smooth laydown and sharp definition.
- **Industrial Coatings -** polyamide-modified nitrocellulose lacquers or phenolic blends for improved adhesion and flexibility.
- **Overprint Varnishes -** topcoats for printed films requiring mechanical protection and achieving high gloss, and clarity.

Features and Benefits

- USDA certified biobased product - 95%.
- Excellent flow, wetting, and solvent release for gravure and flexographic inks.
- Promotes strong adhesion to polyolefin films (when used with phenolic resins).
- High gloss and good clarity in clear lacquer systems.
- Readily soluble in alcohol / hydrocarbon solvent blends.
- Stable film-forming with balanced flexibility and hardness.
- Food-contact friendly composition (compliant with FDA 175.320 guidelines).
- Trusted partner- celebrating 100 years of chemical manufacturing in 2026.
- Energy independent as a result of our on-site anaerobic digestion facility.
- Global network of sales offices, direct logistics and US and UK formulating production centres ensuring security of supply and short lead times from stock.

Mode of Action

Casamid™ 831 forms a continuous thermoplastic film upon solvent evaporation, delivering strong adhesion to polyolefin substrates and excellent gloss. It stabilises pigment dispersion and enables rapid solvent release, ensuring sharp print definition and fast drying.

USDA CERTIFIED BIOBASED PRODUCT
PRODUCT 95%
FP

Committed to Responsible Care

Thomas Swan
Coating & Resin Technologies

Casamid® 831

Packaging
Available in 25 kg bags normally 500 kg per pallet.

Shelf Life
Store under cool, dry conditions. It is recommended that the material be used within 12 months of certification.

Handling
Casamid® polyamide resins are not classified as dangerous and present little or no toxic hazard at normal ambient temperatures, providing good standards of industrial and personal hygiene are practised. However, dust may be produced during handling and the wearing of protective masks and precautions to avoid potential dust explosion etc. are required.

Guidelines for Use
Recommended for flexographic printing and lacquer formulations, requiring anti-blocking and gelation resistance.
Suitable for alcohol-soluble ink and coating applications, ensuring durability and adhesion.
Optimised for overprint varnishes, providing smooth coverage and improved gloss.

Selling Specification

Melting Point (R&B) (°C)	105-115
Melt Viscosity (C&P @ 160°C) (poise)	25-40
Acid value (mgKOH/g)	Max. 6
Amine Value (mgKOH/g)	Max. 6

Inventory Status

Casamid® and Casathix® products are classified as polymers and are typically exempt from registration under global chemical regulations such as REACH (EC 1907/2006), UK REACH, KKDIK, and TSCA. Regional regulatory requirements may differ—please consult us to confirm compliance in your intended market.

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