Casathix® 2092

Polyamide Resin

Enhanced Rheology Control

Superior Surface Appearance

UK Manufacture, integrated global supply network

Product Description

Casathix® 2092 is a non-reactive polyamide resin designed to impart structure into alkyd resins. It is used where high gel strength and gloss are required. It is lower in viscosity than Casathix® 1898.

Applications

- Decorative wood and metal coatings – Enhances application consistency and maintains a smooth finish.
- Automotive refinishing – Enables high gloss, controlled flow.
- Marine coatings – Provides film integrity and resistance to dripping in high-humidity surfaces.
- Heavy-duty maintenance paints – Allows for higher film builds and increased pigment suspension.

Features and Benefits

- USDA certified biobased product - 94%.
- Enhances application performance with better sag control and brushability
- Improves aesthetic qualities like gloss and levelling.
- Supports high-build formulations without settling or pigment float.
- Compatible with a broad range of alkyd resins and solvent-based systems
- Can be used in combination with other rheology modifiers to fine-tune performance
- Energy independent as a result of our on-site anaerobic digestion facility
- Trusted partner- celebrating 100 years of chemical manufacturing in 2026
- 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

Casathix® 2092 develops thixotropy by interacting with the alkyd matrix during the melt-in phase. Upon cooling, a structured network forms, providing shear-thinning behavior, anti-settling properties, and excellent sag resistance. This makes it ideal for vertical and thick-film applications.

USDA CERTIFIED BIOBASED PRODUCT
PRODUCT 94%
FP

Committed to Responsible Care

Thomas Swan
Coating & Resin Technologies

Casathix® 2092

Selling Specification

Melting Point (R&B) (°C)	108-118
Melt Viscosity (C&P @ 160°C) (poise)	1-2
Colour (35% in n-propanol) (G)	Max. 6
Acid value (mgKOH/g)	Max. 8
Amine Value (mgKOH/g)	Max. 3

Physical and Chemical Properties

Melting Point (°C)	95 - 180°C
Flash Point	>100 °C
Form	Solid
Colour	Amber

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

A polyamide resin is not classified as dangerous and presents little or no toxic hazard at normal ambient temperature, provided 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

Casathix® 2092 is typically used at 5–7% by weight on the base resin with a reaction time of 2–3 hours at 200–230°C. Optimum performance will vary depending on the alkyd resin and thixotropy required and should be verified through lab-scale trials.

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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www.thomas-swan.com +44(0) 1207 505 131 performancechemicals@thomas-swan.co.uk