

Casamod™ 650

Product Description

Casamod™ 650 High meso 2,2-Di (tetrahydrofuryl) propane (DTHFP) is part of Thomas Swans range of Polar Modifiers (randomisers) for Solution-Styrene Butadiene Rubber (sSBR).

Casamod™ 650 is a speciality effect chemical, its unique formulation provides advanced control over the polymer microstructure, leading to improved material properties and the maximum vinyl content in sSBR. The meso and racemic forms of DTHFP are diastereomeric. The symmetrical, meso form of DTHFP is significantly more effective in increasing the vinyl content of rubber than the racemic form (**Casamod™ 550**).

Applications

- Synthetic Polymer Synthesis
- SSBR Polar Modifiers
- Rubber Processing
- **Casamod™ 650** ensures highest degree of vinyl content
- **Casamod™ 650** delivers ideal styrene distribution

Features and Benefits

- Certified 97% biobased content by United States Department of Agriculture's (USDA's) BioPreferred® program
- Maximum vinyl content in sSBR
- Highest level of compatibility and filler dispersion
- Improve random distribution of styrene (styrene randomiser)
- Control molecular weight
- Ultra high-performance polymers
- Highest purity of commercially available DTHFP
- Very low water content
- High stability – 36-month shelf life
- High bio-based content

Physical and Chemical Properties

Boiling Point	145°C (80mbar)
Density	1.0 (20°C)
Flash Point	95°C (closed cup)
Solubility in Water	<0.2g/100g (20°C)

Packaging

Casamod™ 650 is available in 205-litre stainless steel drums. Custom packaging options are available upon customer request.

Shelf Life

It is recommended that **Casamod™ 650** is used within 3 years of certification.



Committed to Responsible Care

Casamod™ 650

Handling

To keep performance at high level, handle, and store under nitrogen, protect from moisture and oxygen.

Selling Specification

Meso-Isomer Content	78-82%
Purity	99% Min
Water Content	300 ppm Max
Appearance	Clear colourless to pale yellow liquid

Further specifications available on request.

Guidelines for Use

Refer to the provided Safety Data Sheet for detailed guidelines on the safe and effective use of **Casamod™ 650**.

Typical Formulation

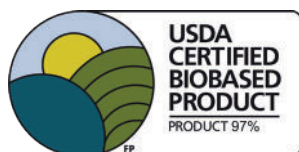
Information on a typical formulation using **Casamod™ 650** can be provided based on customer needs.

Inventory Status

Australia	Not listed	⊗	New Zealand	Not listed	⊗
Canada	Listed on NDSL	⊙	Philippines	Not listed	⊗
China	Not listed	⊗	Taiwan	Listed on TCSI	⊙
EU	Listed on REACH	⊙	Thailand	Listed on TDCA	⊙
Japan	Listed on ENCS	⊙	Turkey	Not listed	⊗
South Korea	Listed on AREC	⊙	USA	Listed on TSCA (Active)	⊙
Malaysia	Not listed	⊗	Vietnam	Listed on VNECI	⊙
Mexico	Not listed	⊗	UK	Thomas Swan grandfathered	⊙

Other Information

For further details, please consult the Safety Data Sheet.



Limited Liability Information: The information contained herein is offered in good faith and is believed to be accurate at the time of printing.

This information should not be used as a substitute for your own quality control and/or testing procedures to ensure that our products are safe, effective and fully satisfactory for the intended end use.

Product use may be limited by regional and or regulatory restrictions. Active is non EPA and BPR registered.