



PAN SHINER

Specialty additive for improving sugar crystal hardness, colour, and lustre during pan processing.

Sugar crystallization processes often face challenges in achieving desired crystal hardness, brightness, and low ICUMSA colour, impacting final sugar quality and market value.

Pan Shiner is a multi-functional additive designed to enhance sugar crystal properties during pan processing.

Mode of Action

Cationic Nature Carry positive charges that neutralize negatively charged colloids and suspended particles. Micro floc Formation Small destabilization Role Neutralization breaks particle stability, enabling coagulation to aggregate into larger structures.

Product Key Benefits

- Improves sugar crystal hardness and structure
- Enhances lustre and brilliance visual appearance
- Helps achieve lower ICUMSA colour values
- Improves overall sugar quality and market acceptability

Product Application

Applicable in sugar manufacturing during pan boiling stage.

Used during A-PAN drop and optionally in B-PAN for improved circulation results.

Operational Conditions

- Temperature 40–105°C
- pH compatible with massecuite

Dosage

- 7.5 kg in 20 L water as feed for 100-ton A-PAN initially, followed up by 5 kg afterwards
- Additional 2 kg/100 ton can be added in B-PAN (if required)

Product Characteristics

Composition: Organic-inorganic based

Form: Liquid

Appearance: Clear colorless

Specific Gravity: 1.20

Product Packaging

- 25/50 kg HDPE

Product Shelf Life

- Minimum 24 months (below 25°C)

Product Handling

- Low corrosion to standard materials.
- Avoid prolonged exposure to aluminium.
- Spilled products may be slippery.
- Avoid environmental discharge into water bodies.
- Store below 25°C and protect from frost. Follow MSDS guidelines.



ISO 9001:2015 Certified | FSC 22000 Certified

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Certifications:

