

Biosilico[®] HI.PC.0112

(Formerly known as HI.MI00.0112)

Low BET RH Silica for Paints & Coatings

Biosilico[®] HI.PC.0112 is a bio-based hydrophilic silica, synthesized from Rice Husk and used as Rheology Control Additive.

Product Benefits

- Advanced materials with high purity from bio-based organic source,
- Bio-compatibility, bio-degradable & eco-friendly,
- Good porous structure and particle size distribution,
- Incorporates easily into various formulations with good rheology, texture, and thixotropy,
- Uses as anti-settling, anti-sagging and thickening agents,
- Improves pigments stabilization, sag resistance,
- Reduces cracking in highly filled systems,
- Imparts good flow and leveling, gives very little roller spatter,
- Non-reactive, stable, and resistant to extreme environments and temperature from -55 to 450 °C,
- Imparts excellent chemical resistance and shelf-life.

Properties

PROPERTIES	UNIT	SPECIFICATION
State		Amorphous – Micron powder
Appearance		White
Loss on Drying (2h in 105 °C)	%	Max 5.0
Bulk density	g/cm ³	0.02 – 0.07
Particle size (D50)	µm	4.0 – 8.0
Surface area	m ² /g	150 – 350

At time of packaging.

Product Information



QMS granted by Universal GmbH



Packaging

Biosilico[®] HI.PC.0112 is supplied in 8 kg paper bag.

Storage and Handling

- Store in closed containers under dry condition; protect the material from volatile substances and handle sensibly to minimize dust generation.
- This product should be used within 24 months from production date.

Safety Data

Warning

- Keep away from source of ignition to avoid spreading dust.
- Use with adequate ventilation.
- Drying and abrasive properties may cause skin, eye or respiratory irritation.
- Avoid inhalation or prolonged contact with skin.
- If dusty conditions prevail, use gloves and adequate respirator.
- Dispose of in accordance with state and local requirement.
- See MSDS for more information.

First Aid

- Follow the rules of personal hygiene on dust inhalation and/or eye contact.

After eye contact

- Remove contact lens if have.
- Flush open eyes with large quantity running water for at least 15 minutes.
- Call for medical care if symptoms persist.

After skin contact

- Flush skin with water at least 15 minutes
- Call for medical care if symptoms persist.

After inhalation

- Supply fresh air
- Call for medical care if complaints
- Do CPR if stop breathing.

After swallowing

- Call for medical care
- Do not induce vomiting.

