

HIMSONS - 45S TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

Himsons Silica is the Synthetic Amorphous Precipitated Micronised Silica appearing as white free flowing powder. It is produced in a precisely controlled environment using state of the art manufacturing technology.

CHEMICAL FORMULA

Silicon Dioxide - SiO₂

SHELF LIFE OF PRODUCT

One year from the Date of Manufacturing

PRODUCT SPECIFICATIONS

Himsons Silica is readily available in the following range of chemical and physical properties.

SR.	PARAMETERS	UNIT	RANGE AVAILABLE
1	PH 5% (Aqueous Solution)	-	3.0 - 5.0
2	Loss on Drying at 160°C	%	3.5 Max
3	Iron Contents - Fe ₂ O ₃ (Dry Basis)	%	0.015 Max
4	Purity As SiO ₂	%	99 Min
5	Average Particle D50 (Malvern Laser Analyser)	µm	4.50 - 5.50
6	Oil Absorption	%	200 - 220

** We are specialists at manufacturing customised grades of silica to cater to your specific needs.

SPECIAL FEATURES

- It is snow white, light, and free flowing powder. It has an amorphous structure which is quite in contrast to that of crystalline silica.
- It's refractive index is close to that of most plastics and resins.
- It has high absorption ability.
- It imparts strength and toughness.
- It has a low abrasive value.
- It's high degree of purity makes it ideal for plastics used in food packaging.
- The low density, high surface area and uniform size of our silica ensures easy dispersibility.

PACKAGING AVAILABLE

Himsons -45S is supplied in 20Kg and 25Kg Laminated Woven Sacks with LD/HM Liners.