

# HIMSONS - 45N 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 - SiO<sub>2</sub>

## 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)	-	5.5 - 6.5
2	Loss on Drying at 160°C	%	3.5 Max
3	Iron Contents - Fe <sub>2</sub> O <sub>3</sub> (Dry Basis)	%	0.015 Max
4	Purity As SiO <sub>2</sub>	%	99 Min
5	Average Particle D50 (Malvern Laser Analyser)	µm	4.00 - 5.00
6	Oil Absorption	%	200 - 230

\*\* 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 -45N is supplied in 20Kg and 25Kg Laminated Woven Sacks with LD/HM Liners.