



TECHNICAL DATA SHEET MICROSILICA (SILICA FUME) GRADE 92D

GENERAL

Microsilica Grade 92D is Densified dry silica fume, with a typical bulk density of 500-700 kg/m³. It is an ultra-fine, amorphous and polymorphic by-product of elemental silicon production.

PACKING

25kg / Plastic bag, 1000kg /Jumbo bags.

STORAGE

Microsilica Grade 92D should be kept in dry storage. Products that have been subjected to moisture and allowed to dry again might result in inferior performance.

QUALITY CONTROL

Microsilica Grade 92D chemicals composition and physical properties are regularly tested by a Third Party Testing Company.

PROPERTY	TYPICAL VALUE	ASTM SPECIFICATION
Chemical Analysis		
SiO ₂ (%)	~ 92.0	85.0 Min
C (%)	< 3.0	----
Fe ₂ O ₃ (%)	< 1.0	----
Chloride Content (%)	< 0.005	----
Available Alkalis as Na ₂ O (%)	< 1.0	----
Moisture (%)	< 1.0	3.0 Max
Loss on Ignition (%)	< 3.0	6.0 Max
Pozz Activity Index (%) 7 Days Accelerated Curing	> 110	105 Min
Physical Properties		
Retained on 45 micron sieve (%)	< 2.0	10.0 Max
Specific Surface Area BET (m ² /gm)	> 19	15 Min
Bulk Density – Densified (kg/m ³)	500-700	As required

The above specification refers to analysis performed using ASTM C1240:2005 Standard Test Methods.

The information given on this datasheet is accurate to the best of our knowledge and regularly verified via third party laboratory testing. The customer is welcome to conduct trials with the material, for which samples shall be made available on request. Please feel free to contact us to discuss the technical specifications, usage or pricing of the material on the basis of contact information provided on this datasheet.

Please ask about our other grades of silica fume and construction chemicals