Quartzene®, Z2H1 – AEROGEL POWDER

Product Description

Quartzene®, Z2H1 aerogel consists of amorphous hydrophobic methylated silicon dioxide, CAS No. 68909-20-6. Quartzene is in most applications used as a functional additive. As manufacturer of, for instance, paint, plaster, building panels or sealants, you can improve the sustainable performance of your products by adding Quartzene. The water repellent nature makes it suitable for products and applications where moisture absorption cannot be accepted. Even if it is strongly hydrophobic, it can, for instance, be incorporated into a range of different waterborne acrylics, polyurethanes, and vinyl-acetates to create highly insulating coatings and plasters. It can also be used in building panels, sealants and similar products. The low density will bring down the weight of products and can replace fossil plastic.

- HYDROPHOBIC AEROGEL POWDER
- SUPER-LOW THERMAL CONDUCTIVITY
- LARGER PARTICLE SIZES

Product Features

Appearance	White powder
Surface character	Hydrophobic
Solubility	Insoluble in water
Tapped density	0.15 – 0.22 kg/l
Thermal conductivity	28 – 33 mW/m·K (@ 20 °C and P_{atm})
Maximum Temperature	400 °C
BET Surface area	120 – 220 m^2/g
Typical Pore Size	~ 8 nm
Particle size distribution	Range: 1-100 µm D_v10 ~ 3 µm D_v50 ~ 15 µm D_v90 ~ 60 µm

Typical test data. Not intended as a specification.

KEY APPLICATION AREAS

Due to its versatile nature, Quartzene® can be used in multiple application areas such as:

- Building & Construction
- Transportation
- Process Industry
- Pulp & Paper

Information concerning the safety of this product is listed in the Safety Data Sheet, which can be ordered from Svenska Aerogel AB. For more information on sampling, project guidance and other information, contact us at: info@aerogel.se

Svenska Aerogel AB
Strömmavägen 2,
SE-803 09 Gävle, Sweden
www.aerogel.se

02/2023
Version: 2.0