MIRAGLASS©

MIRAPLAST C-4©

Miraplast© micronized glass is a line of high-performance additives produced from post- industrial recycled glass for use in plastics and rubbers formulations. **Miraplast©**'s ultrafine particles allow for better dispersion in compounds, providing materials with significantly increased dimensional stability and great surface finish. Designed and tested for use in extrusion, injection molding, and calendering processes of plastic and rubber products, **Miraplast©** micronized glass is crystalline silica-free, environmentally safe, and a sustainable product.

For Plastics

When used in plastics, **Miraplast C-4©** products are great inorganic anti-blocking additives. **Miraplast C-4©** micronized glass also provides several physical and mechanical benefits to thermoplastic formulations and blends, including improved impact resistance, stiffness, elongation strength and flexural modulus performance.

For Rubbers

When used in your rubber formulations, **Miraplast C-4©** micronized glass disperses quickly into the matrix and provides better cure times. Unlike its application in plastics, **Miraplast C-4©** inserted in rubbers reduces the hardness of the products, but still provides superior elongation strength.

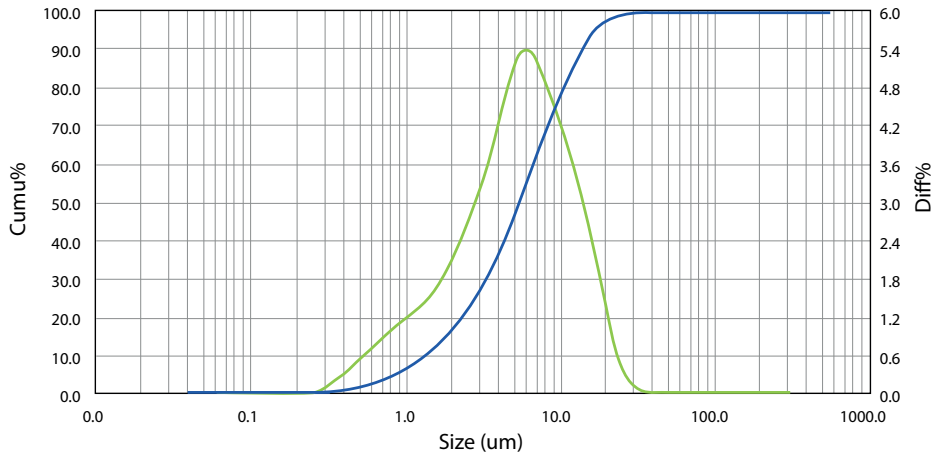
PROPERTIES

D50 (median)	4 µm	D97	≤ 21 µm
Bulk density	0.88 g/cm^3	Specific surface	> 650 m^2/kg
Specific gravity	2.53 g/cm^3	Softening point	590 °C
Oil absorption ASTM D-281	37	Fusion point	980 °C
Apparent Color	White	Refractive index	1.47
Brightness	90	Hardness	5.5 Mohs
pH	10-11	Moisture content	< 0,5%

TECHNICAL DATA

Glass composition: SIO_2 74%, CaO 10.4%, Al_2O_3 1.3%, Na_2O 13%. Contains amorphous silica.

GRANULOMETRY



AVAILABILITY

25 kg bags and SuperSac.

FDA CLASSIFICATION: These products fall under the USA Code of Federal Regulations

Title 21 CFR 177 Indirect Food Additives. Sections 178.3297, 176.170c (Table 1), 176.17c (Table 2).

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