



ZIRCOSIL 5

(Technical Data Sheet)

APPEARANCE

Off-white odorless powder

PRODUCT PROFILE

A finely milled, nominally <5 microns, zirconium silicate powder manufactured to a controlled particle size.

APPLICATIONS

Zircosil 5 is traditionally used in technical glasses, refractories, and ceramic glazes. The fine particle size of this product ensures it can be taking info solution readily during heat treatment and that maximum opacity levels can be achieved, in addition to the excellent thermal properties it exhibits.

TYPICAL CHEMICAL PROPERTIES

Composition

34.7%	SiO ₂
62.8%	ZrO ₂
1.20%	HfO ₂
0.50%	Al ₂ O ₃
0.07%	Fe ₂ O ₃
0.10%	TiO ₂

TYPICAL CHEMICAL PROPERTIES

Specific Gravity

4.60 g/cm₃

Bulk Density

0.8 g/cm₃

Average Particle Diameter (Melvern d50) 1.5 microns