



## ZIRCOSIL D

(Technical Data Sheet)

### APPEARANCE

Off-white odorless powder

### PRODUCT PROFILE

A zirconium silicate flour produced by milling zircon-rich sand to a closely controlled particle size, nominally 300's mesh.

### APPLICATIONS

Zircosil D is used widely for its refractory and opacifying properties in the glass, ceramic, refractory & plastics industries, Small additions of Zircosil D improve the mechanical strength of glass and impart alkali resistance to glass fibers used in reinforced concretes.

### TYPICAL CHEMICAL PROPERTIES

Composition	32.5%	SiO <sub>2</sub>
	65.2%	ZrO <sub>2</sub>
	1.20%	HfO <sub>2</sub>
	1.40%	Al <sub>2</sub> O <sub>3</sub>
	0.05%	Fe <sub>2</sub> O <sub>3</sub>
	0.12%	TiO <sub>2</sub>

### TYPICAL CHEMICAL PROPERTIES

Specific Gravity	4.60	g/cm <sup>3</sup>
Bulk Density	1.6	g/cm <sup>3</sup>