

ZIRCONIUM SILICATE

Product Data Sheet

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50-4-50020

Revision 0

Issue date 28 Sep 2006

This version replaces all preceding versions

All these data are average values
We reserve the right to change these data and information, should it become necessary

SPECIFICATION

VALUE

CHEMICAL AND PHYSICAL PROPERTIES

Formula :	ZrSiO ₄	
	Zirconium dioxide (ZrO ₂)	65.0 % (min)
	Silicon dioxide (SiO ₂)	34.0 % (max)
	Iron oxide (Fe ₂ O ₃)	0.15 % (max)
	Titanium oxide (TiO ₂)	0.25 % (max)
	Aluminium oxide (Al ₂ O ₃)	0.26 % (max)
Solubility :	HF	Slightly soluble
	hot conc. H ₂ SO ₄	Slightly soluble
	H ₂ O	Insoluble
	dill. Alkali	Insoluble
	conc. H ₂ SO ₄	Insoluble
Specific gravity :		4.5
Bulk density :		0.56 (gr./cc.)
Color :		White
Melting point :		2430°C.
Hardness :		7.5
Packaging :		25 kgs in multilayer paper bag
Praticle size :		-under 2 micron 80% min -under 5 micon 98% min