

## Silica Fume – SF98

### Typical Chemical Analysis (by XRF)

Compound	Typical	Guaranteed
SiO <sub>2</sub> (%)	93.0	> 88.0
ZrO <sub>2</sub> + HfO <sub>2</sub> (%)	4.2	-
SiO <sub>2</sub> + ZrO <sub>2</sub> + HfO <sub>2</sub> (%)	97.2	> 96.0
Fe <sub>2</sub> O <sub>3</sub> (%)	0.4	-
Al <sub>2</sub> O <sub>3</sub> (%)	0.2	-
P <sub>2</sub> O <sub>5</sub> (%)	0.25	-
TiO <sub>2</sub> (%)	0.02	-
CaO (%)	0.01	-
Na <sub>2</sub> O (%)	0.01	-
K <sub>2</sub> O (%)	0.01	-

### Physical Properties

	Typical	Guaranteed
Residue (+45 µm)	0.3%	<1.0%
Moisture	0.5%	-
Loss on Ignition	1.0	-
pH	2 - 3.5	-
Surface Area	15 m <sup>2</sup> /g	-
Bulk Density	200-300 kg/m <sup>3</sup>	-

### Particle Size Distribution (Horiba)

Size	Typical	Guaranteed
D <sub>10</sub> (µm)	0.3	-
D <sub>50</sub> (µm)	0.5	-
D <sub>90</sub> (µm)	0.8	-

### Other Information

See [www.doral.com.au](http://www.doral.com.au) for Material safety data sheet  
 EINECS NO. 273-761-1  
 CAS NO. 69012-648-2

### Packing

Standard packing is in 1 tonne bulk bags or 20kg multi-wall paper bags.

### Contact Details

To obtain further information about our products, please send an email to [doral@doral.com.au](mailto:doral@doral.com.au)

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