



**Technical Silica Co.**



## Z3-90 & Z3-95 Zircon Silica Fume Product Data

Light gray/white amorphous silica fume with low impurity level.

Used in a variety of cementitious and refractory applications to increase strength and durability. See [technicalco.com](http://technicalco.com) for more details.

Packaging: 55 lb bags, 50 lb bags, super sacks

|                                     | Z3-90   | Z3-95   |
|-------------------------------------|---------|---------|
| SiO <sub>2</sub> (%)                | ≥ 91.0  | ≥ 93.0  |
| ZrO <sub>2</sub> (%)                | 3~6     | 2~5     |
| Al <sub>2</sub> O <sub>3</sub> (%)  | 3~5     | 0.4~0.6 |
| Fe <sub>2</sub> O <sub>3</sub> (%)  | ≤ 0.2   |         |
| TiO <sub>2</sub> (%)                | ≤ 0.2   |         |
| Na <sub>2</sub> O (%)               | Trace   |         |
| CaO (%)                             | ≤ 0.15  |         |
| MgO (%)                             | Trace   |         |
| D <sub>50</sub> μm                  | ≤ 2     |         |
| LOI                                 | ≤ 1     |         |
| Moisture                            | ≤ 0.3   |         |
| pH                                  | 2.6~5.5 |         |
| Bulk density (lbs/ft <sup>3</sup> ) | 18-25   |         |
| Whiteness                           | 90      | 91      |

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