

# Technical Data Sheet

Solutions for Structural Ceramics

## 90 740 F - Special glass

<b>Color shade</b>	Colorless
<b>Application</b>	lead*-, cadmium*-, zinc*-, barium*-free glass Qualified for sintered glass and for special application especially for supraabrasive grinding wheel applications Good acid and base resistance
<b>Storage</b>	Frits should be stored in a dry place. Partly used tins must be tightly sealed after use.
<b>Environment</b>	Waste material treatment, environmental health and safety protection has to follow the local regulations and legislation.

### Chemical characteristics:

Chemical character	Li <sub>2</sub> O-Na <sub>2</sub> O-Al <sub>2</sub> O <sub>3</sub> -ZrO <sub>2</sub> -TiO <sub>2</sub> -SiO <sub>2</sub> -B <sub>2</sub> O <sub>3</sub> -F
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### Physical characteristics:

Lin. coeff. of thermal expansion [10 <sup>-7</sup> /K]	77
Transformation temperature [°C]	--
Softening temperature [°C]	680
Softening intervall [K]	80
Half ball temperature [°C]	760
Form	Powder
Density [g/cm <sup>3</sup> ]	--
Fineness	F max.3%>63 μm -- mesh D90 ~ 40 μm D50 ~ -- μm
Grain typ	--
Grain [mm]	--

### Firing conditions:

Firing range [°C]	--
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<b>Comment *</b>	Substance is not part of the recipe. No routine tests regarding impurities of this substance.
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