

Technical data sheets :

Vision-3D Artistic Gingiva-Glaze-Paste

**Standard - Composition:**

Silica SiO <sub>2</sub>	61 - 65 %
Alumina Al <sub>2</sub> O <sub>3</sub>	8 - 10 %
Potassium-oxide K <sub>2</sub> O	5 - 7 %
Sodium-oxide Na <sub>2</sub> O	7 - 10 %
Lithium-oxide Li <sub>2</sub> O	- %
Magnesium- oxide MgO	- %
Calcia CaO	1 - 2 %
Barium-oxide BaO	2 - 3 %
Boron- oxide B <sub>2</sub> O <sub>3</sub>	7 - 10 %
Titanium Dioxide TiO <sub>2</sub>	< 1 %
Zirconium Oxide ZrO <sub>2</sub>	< 1 %
Phosphorous-oxide P <sub>2</sub> O <sub>5</sub>	1 - 2 %
other Oxides of CeO <sub>2</sub> , CeF <sub>3</sub>	< 1 %
Tin Dioxide SnO <sub>2</sub> 2	- %
Pigments	- %
	balance liquid

**Physical properties:**

Solubility [µg/cm <sup>2</sup> ] max. 100 µg/cm <sup>2</sup> (± 5)	20
Flexural Strength [MPa] min. 50 MPa	-
CTE (25/500°C) [ppm/K] 2 Firing	8.0
TG [°C] ± 10	520
Particle Size Distribution D90/10 [µm]	20
Crystallinity detected by XRD	amorphous Glass
Thermal Shock Resistance	≥ 140 °C

We confirm that all porcelain powders stated on this list have been tested and conform to EN ISO9693 and 6872