

# Technical data sheet

## PMMA Multicolor

### *Degos Dental L-TEMP MC*



#### Manufacturer

**Degos Dental GmbH**  
Bayernstr. 10a  
93128 Regenstauf  
Germany

**Degos Dental GmbH is certified according to:**

- **RL 93/42/ECC (CE 1014)**

#### ■ Description

PMMA Multicolor **Degos Dental L-TEMP MC® (Multicolor)**

#### ■ Description

**Degos Dental L-TEMP MC®** are milling blanks for the production of crowns and bridges as long-term temporary appliances.

**The most important features are:**

- extremely high resistance to breaking
- no toxins and benzene peroxide free
- high translucency
- high surface density - plaque resistant
- residual monomer content below 0.3%
- suitable for telescopic work (secondary part)

#### ■ Indication

Synthetic crowns, bridges and frameworks for the temporary dental prosthesis in the posterior teeth area according to DIN EN ISO 10477 (Dentistry - Polymer-based crown and bridge materials )

#### ■ Options

**Degos Dental L-TEMP MC®** is available in the shades A2 - A3.5.

#### ■ Modelling

During the construction of crown and bridge framework, the following parameters must not be less than the values specified below:

- Minimum wall thickness (cervical): 0.6 mm
- Minimum wall thickness (occlusal): 1.2 mm
- Connector cross section in anterior tooth area: 10 mm<sup>2</sup>
- Connector cross section in the posterior teeth area: 16 mm<sup>2</sup>
- Do not position more than two pontics between two abutment teeth in the posterior tooth area.

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#### ■ Finishing

The milled substructures can be cut out of the blank by using a fine-toothed carbide metal milling cutters or cutting discs suitable for synthetics.

In order to prevent fitting inaccuracies after building the substructure, excessive heat build-up should be avoided during the finishing and polishing procedure.

The Dentalos Plus® Disc restorations can be pre-polished with a suitable silicone polisher and goat hair brushes. The high-gloss polish is made with diamond polishing pastes recommended for this purpose. To avoid plaque accumulation, careful polishing is an indispensable prerequisite.

#### ■ Individualisation

Individual aesthetic adaptations are possible through the use of composites. For individualisation purposes, the applicable areas are reduced in such a way that a smooth transition to the basic material is possible. No more than 0.3 - 0.5 mm may be removed.

Only fine-tooth carbide cutters should be used as the abrasive tool. The ground surface must be carefully cleaned and wetted with a suitable bonding agent. Further processing instructions on how to veneer the materials can be found in the manufacturer's information.

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#### ■ Cleaning

For all plastics and composites, which are used as substructure material, or for veneering, evaporation should be avoided. Evaporation presents an excessive heat and pressure load. Ultrasonic devices, as well as mechanical cleaning options, are an excellent alternative. The ultrasound device should be operated only for a short duration of approx. 1 min and a temperature of max. 40°C. Cleaning solutions should only be added in very low concentration.

#### ■ Physical/mechanical properties (guidelines)

Density $\rho$	No data provided by the manufacturer
Elasticity modulus	> <b>2,100</b> [MPa]
Water absorption <b>W</b>	> <b>20</b> [ $\mu\text{g}/\text{mm}^3$ ]
Ball indentation hardness <b>H<sub>K</sub></b>	No data provided by the manufacturer
Tensile strength <b>R<sub>M</sub></b>	> <b>80</b> [Mpa]
Flex resistance <b>β<sub>B</sub></b>	> <b>100</b> [Mpa]
Fracture stress $\sigma$	No data provided by the manufacturer