

1. Material-related characteristics

Composition [wt.%]

Polymethylmethacrylat (PMMA)	100
------------------------------	-----

Physical specifications

Property	Standard	Unit	Value
Flexural strength	[ISO 178]	[MPa]	92
Charpy impact strength +23°C	[ISO 179/1eU]	[kJ/m ²]	45
Density	[ISO 1183]	[g/cm ³]	1.17
Water sorption	[ISO 20795-1]	[µg/mm ³]	0.02
Solubility	[ISO 20795-1]	[µg/mm ³]	0.0
Residual monomer content	[ISO 20795-1]	[%]	< 0.7

2. Explanation of symbols



Manufacturer Information: Address of legal manufacturer facility



Date of manufacture



Distributor Information: Address of legal distributor facility



Use by



LOT-Number, Symbol followed by Production Date of the lot.



Medical Device



Reference Number, Symbol followed by Manufacturer's Item Number



CE Mark for Medical Devices Class 2



Store dry



Protect from direct sunlight



Consult instructions for use
www.zfx-dental.com

3. Instruction Manual

3.1. Indications

Zfx™ PMMA splint are transparent dental milling blanks out of PMMA for the manufacture of splints, therapeutic splints, bite regulators and drilling templates for long-term application in the oral cavity up to 12 months.

3.2. Contraindications

- × intolerance to the contained components
- × bridges with two molar pontics
- × too little connector cross section
- × model casting with clasps, bars, narrow sublingual bars and transversal connectors

3.3. Safety information

Please pay attention to the information in the material safety data sheet in its current version. Avoid the inhalation of dust particles during processing. Wear protection gloves, safety glasses and a dust mask to prevent irritations of eyes, skin and respiratory system.

3.4. Handling and storage

Only use clean, defect-free material out of undamaged packaging and make sure that the blanks are always stored in their original container in a dry and cool place, protected from light. Avoid contact with fluids.

3.5. Milling and further processing



Only use one-edged milling tools in the milling machine or wet grinding procedures!

Further processing:

Tungsten carbide burs like the one you use for soft reline materials are suitable for rough adaption. For the finalization common cross-toothed millers can be used. Polishing should be carried out with regard to a low contact pressure, otherwise the resulting heat might lead to smearing or melting.

3.6. Cleaning

- × ultrasonic bath (max. 40 °C) with mild cleaning agent

Do not use the following methods for cleaning:

- × steam blasting
- × autoclave method
- × organic solvents and acids (e.g. acetone, hydrochloric acid)
- × highly concentrated alcohols
- × chemical denture cleaners
- × abrasive cleaning agents

3.7. Disposal

Remains of PMMA blanks can be disposed of in the regular household garbage.

3.8. Information on Manufacturer



Dental Direkt GmbH
 Industriezentrum 106 - 108
 32139 Spenge
 Germany

T +49 (0) 5225 / 86 319 - 0
 F +49 (0) 5225 / 86 319 - 99
info@dentaldirekt.de
www.dentaldirekt.de



3.9. Information on Distributor



Zfx GmbH
 Kopernikusstraße 15
 85221 Dachau
 Germany

T +49 (0) 8131 / 33 244 - 0
 F +49 (0) 8131 / 33 244 - 10
info@zfx-dental.com
www.zfx-dental.com

We reserve the right to make changes because of the continuous development of our products. Please find the current version of the instruction manual on our website:
www.zfx-dental.com

Incident Reporting / Complaints

Please send to qm@zfx-dental.com