



# SUBTRACTIVE MANUFACTURING



EU MEDICAL DEVICE CLASS IIa

## M-PM<sup>®</sup> crystal

### A CLEAR SOLUTION FOR PRICE-CONSCIOUS PROFESSIONALS

Die M-PM<sup>®</sup> crystal consists of a high-purity thermoelastic PMMA, which is made according to the high quality standards in an industrial polymerization and manufacturing process. The M-PM<sup>®</sup> crystal is the economical alternative for splint technology. The crystal clear, color stable material is convincing by its homogeneity, low plaque adhesion and low water absorption. The M-PM<sup>®</sup> crystal can be adjusted and repaired with PMMA acrylics.

#### AREAS OF APPLICATION

- Occlusal splints
- Drilling templates for navigated implantation
- "Lost moulds" for casting technology

#### FEATURES and BENEFITS

- Crystal clear, color stable
- Certified biocompatibility
- Free from inorganic and organic peroxides such as B. dibenzoyl peroxide
- Low residual monomer content: < 1%
- High homogeneity
- Low plaque adhesion
- Low water absorption
- Can be extended and repaired with PMMA
- Economical alternative to the bite splint technology
- High-molecular, cross-linked PMMA

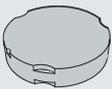
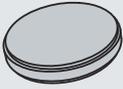
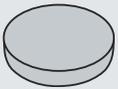
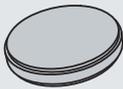
#### PHYSICAL SPECIFICATIONS

Properties	Standard	Result
Flexural strength	EN ISO 10477	156 ± 6 MPa
Module of elasticity	EN ISO 20795-1	3000 ± 100 MPa
Glass transition temperature	ISO 11357	121 °C
Vickers hardness	EN ISO 6507-1	23.2 ± 0.3 HV 0.2
Absorption	EN ISO 20795-1	< 32 µg / mm <sup>3</sup>
Water solubility	EN ISO 20795-1	< 1.6 µg / mm <sup>3</sup>



Available in Bulk Packs



		REF
	Ø 95 mm x 14 mm	1019262
	Ø 95 mm x 16 mm	1019254
	Ø 95 mm x 20 mm	1019255
	Ø 95 mm x 25 mm	1019256
	Ø 95 mm x 30 mm	1019257
	Ø 98.5 mm x 14 mm	1019263
	Ø 98.5 mm x 16 mm	1019250
	Ø 98.5 mm x 20 mm	1019251
	Ø 98.5 mm x 25 mm	1019252
	Ø 98.5 mm x 30 mm	1019253
	Ø 100 mm x 14 mm	1019264
	Ø 100 mm x 16 mm	1019258
	Ø 100 mm x 20 mm	1019259
	Ø 100 mm x 25 mm	1019260
	Ø 100 mm x 30 mm	1019261
	Ø 120 mm x 16 mm	1019270
	Ø 120 mm x 20 mm	1019271
<b>BULK PACKS</b>		
12 pcs.	Ø 95 mm x 16 mm	1019265
10 pcs.	Ø 95 mm x 20 mm	1019266
12 pcs.	Ø 98.5 mm x 16 mm	1019268
10 pcs.	Ø 98.5 mm x 20 mm	1019269