

Precisa RD096GY

Technical Data Sheet



Precisa RD096GY: High-Resolution Material for 3D Printed Dental Models

PRECISA RD096GY is a ceramic-filled, gypsum-like resin specifically developed for the production of high-precision dental models derived from intraoral digital impressions. Its ceramic base ensures extremely smooth surfaces and high-resolution details, making it ideal for modern digital dentistry workflows.

Features

- Excellent Dimensional Accuracy
- High Resolution & Detail Fidelity
- Smooth Surface Finish
- No Manual Finishing Required After Printing
- Gypsum-like Appearance & Texture

Advice for use

PRECISA is compatible with DWS Dfab dental 3D printers. To ensure optimal mechanical performance, dimensional stability, and safety of the printed object, the Dcure curing unit must be used, as it performs a hybrid thermal/UV treatment cycle tailored for this material. Always follow the operating instructions provided for the DWS Dfab 3D printer and curing unit. For information regarding precautions, protective measures, storage conditions, and disposal, please refer to the Safety Data Sheet (SDS) available at www.dwssystem.com.

Technical characteristics of the liquid material

Environmental data for use	22°C - 27°C - max, RH 40% - 60%
Appearance / Color	Liquid / Gray
Density	1,41 g/cm ³
Viscosity	~ 1500 mPa•s at 25°C

Technical characteristics of the printed and cured material

Hardness (ASTM D2240)	93 ~ 94 Shore D
Elongation at Break (ASTM D638)	2 ~ 3 %
Tensile Strength (ASTM D638)	30 ~ 50 MPa
Tensile Modulus (ASTM D638)	3440 ~ 4600 MPa
Flexural Strength (ASTM D790)	65 ~ 105 MPa
Flexural Modulus (ASTM D790)	4500 ~ 6900 MPa
HDT (ASTM D648)	53 ~ 75°C @ 1.81 MPa

Information for orders

CODE	PRODUCT
10200460	PRECISA RD096GY, DLTY, SET 5

Formulated by:

DWS S.r.l.

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