

prizma^{3D}

BIO CROWN DIAMOND

The ultimate choice in aesthetics and durability
for 3D printed prostheses



makertechLabs[®]
3D Solutions

priZma 3D **BIO CROWN DIAMOND** resin

Diamond is a state-of-the-art 3D resin, biocompatible and radiopaque, developed for the highest aesthetic and functional standards in printed prostheses.

It offers superior mechanical resistance and a gloss that faithfully reproduces the natural appearance of teeth.

With Diamond, we have reached a new level in durability and aesthetics, providing a highly precise translucent finish that raises the quality of results in 3D-printed prostheses.

FEATURES:

- Natural fluorescence
- Flexural strength
- High hardness
- Radiopaque

COLORS:

Low translucency: DBL, DA1
Medium translucency: BL, A1 and A2
High translucency: PE (Pearl Enamel)

PRINTER:

LCD/DLP



Indications For Use:

Definitive unit crowns

Inlays, onlays and veneers

Bar-reinforced protocols

Artificial teeth for permanent removable partial and full dentures.

Comparative Table:

	FLEXURAL STRENGTH	TENSILE STRENGTH	SHORE D HARDNESS	RADIOPACITY (%)	AMOUNT OF LOAD	QTY	INVESTMENT
BIO CROWN DIAMOND	143 MPa (124 to 156)	101,51 MPa	92,5	≥150%	52%	300g	\$\$\$\$
BIO CROWN	111,20 MPa	61,87 MPa	85	≥20%	14%	250g	\$\$
BRAND 1	110 MPa	71,88 MPa	90,5	≥135%	33%	250g	\$\$\$\$
BRAND 2	139 MPa	59,96 MPa	92	≥120%	57,80%	250g	\$\$\$\$\$
BRAND 3	101 MPa	72 MPa	80,9	≥190%	> 30%	500g	\$\$\$\$\$\$\$\$
BRAND 4	90 MPa	86,77 MPa	83,3	≥100%	31%	500g	\$\$\$\$\$\$\$\$



To print, check your printer's parameters in the Makertech Labs parameterizer by

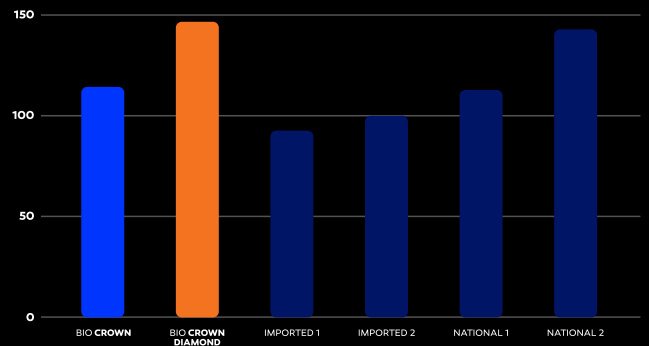
[CLICKING HERE](#)

If you need help printing, such as positioning, support placement or other questions, please contact our support team via WhatsApp: +55 15 99132-9289

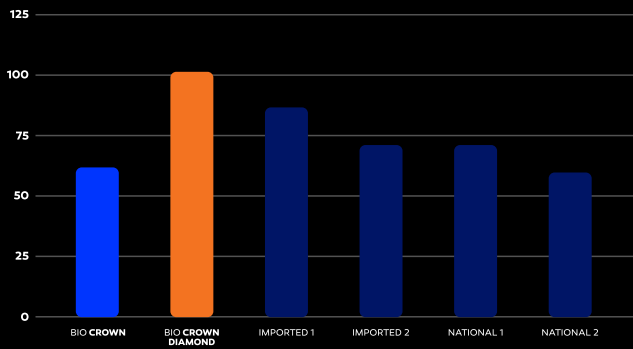
COMPARATIVE DATA

BIO CROWN DIAMOND X COMPETITORS

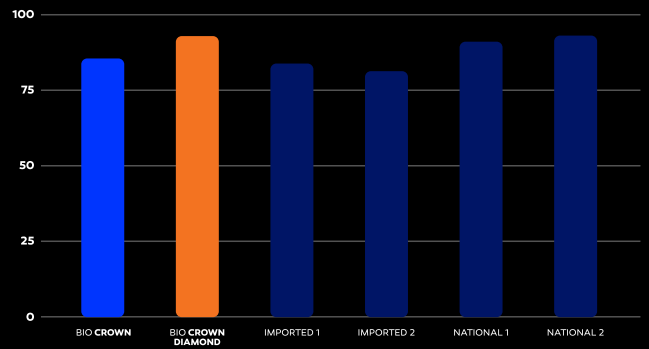
Flexural Strength (Mpa)



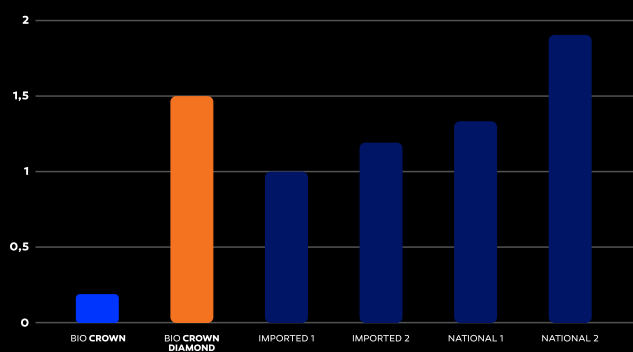
Tensile Strength (Mpa)



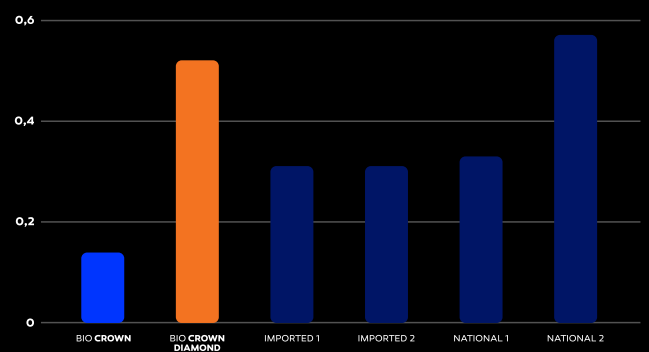
Shore D Hardness



Radiopacity (1mm of Al)



Load Quantity ≈ (MEV)



BIOCOMPATIBLE RESIN FOR 3D PRINTING

priZma 3D BIO CROWN DIAMOND

EXPIRY DATE

2 years from date of manufacture or 3 months after opening.

DISPOSAL METHOD

Do not reuse the product and dispose of in accordance with local legislation.

ANVISA 80483749007

Other information such as precautions, adverse effects, first aid, transport conditions and more can be found in the IFUs on our website and on the ANVISA website. Questions and support via WhatsApp:

+55 15 99132-9289

Or visit our website
www.makertechlabs.com.br



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DENTAL CROWNS



PRINTER
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