



# HARZ Labs

MATERIALS FOR 3D PRINTING

## Dental Cast

Designed for printing models, used for direct casting. Zero ash content and ready to use in shock cycles makes it possible to obtain high quality castings

Dental Yellow Clear is hard PMMA-like resin, made of biocompatible raw materials that used in UV-cured dental fillings.

It has high hardness 92 Shore D and high tensile strength, stability to mechanical stress.

We recommend to use it for surgical guides and master-model printing. Low odor and absence of harmful monomers allows to print in the laboratory

Characteristics	Value
Appearance	Colored transparent liquid
Color	Red, Cherry
Odor	Low
Viscosity (Brookfield)	0,2-0,4 Pa*s
Ash content	<0,1%
Hardness Shore D	40-50
Shrinkage	<1%

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DENTAL  
CAST



1kg

# ADVANTAGES



## Accurate

Provides high precision printing and fitting after casting



## Odorless

Resins are odorless and cause no irritation, so you can work with natural ventilation without special technique



## Low shrinkage

Shrinkage less than 1% gives you the same size like 3D model on your computer



## Zero ash content

Close to zero ash content ( $<0.1\%$ ) and high strength makes it possible to cast precise metal and ceramic products



## Stable

Resin is very stable, you can leave it for a long time in the vat, no sedimentation and gel formation occur – no need to mix



## Easy to cast

Thermoplastic behavior of the resin provides melting in wide temperature window (250-300°C) to give very smooth surface of casted models

# COMPITABLE PRINTERS



ASIGA



**PRUSA**  
RESEARCH  
by JOSEF PRUSA

zortrax

MoonRAY

