

# HARZ Labs

MATERIALS FOR 3D PRINTING

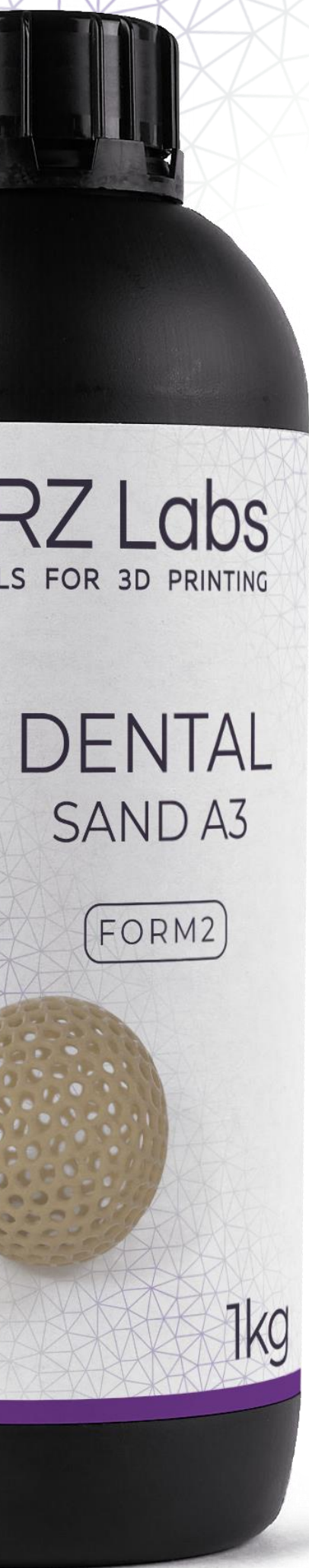
## Dental Sand A3

Designed for dental demonstration models of crowns and bridges. Very tough, non-irritant, odorless resin with color A3 according to Vita scale

Dental Sand A3 resin is PMMA-like micro filled composite resin, made of biocompatible raw materials, with color close to A3 according to Vita scale. It has high hardness 90 Shore D and high tensile strength, stable to mechanical stress and chemicals

Recommended for printing of temporary crowns and bridges. Low odor and absence of harmful monomers allows to print in the laboratory

Characteristics	Value
Appearance	Opaque liquid
Color	Beige
Odor	Odorless
Viscosity (Brookfield)	1,2-1,5 Pa*s
Tensile strength	60 N/mm <sup>2</sup>
Elongation at break	3-4%
Hardness Shore D	90-92
Shrinkage	<0,5%



# ADVANTAGES



## Unique mechanical properties

Very high hardness, tensile strength, abrasion and scratch resistance due to ceramic fillers



## Odorless

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



## Stable color

Depending on postcuring condition A3 color is achievable. It is stable for a long time even in aggressive media



## Biocompatible

Produced from biocompatible raw material used in photopolymer teeth fillings. Meets the standard ISO 10993



## Chemical resistance

Resin is stable to solvents, aggressive inorganic media like acids and alkalis



## Durable

Pigments and fillers are well stabilized, no sedimentation and flocculation occur and no foam appears

# COMPITABLE PRINTERS

**formlabs** 

 **PEOPOLY**

