



HARZ Labs
MATERIALS FOR 3D PRINTING

HARZ Labs

Dental Cast Cherry

Material Technical Data Sheet (TDS)

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SECTION 1: DESCRIPTION AND APPLICATION

Dental Cast Cherry is intended for direct casting of dental implants such as metal crowns, bridges, clasp dentures.

SECTION 2: MATERIAL PROPERTIES

2.1 Characteristics of liquid

Tested property	Standard/Method	Result
Color	-	Cherry (semitransparent)
Odor	-	Weak
Density	ASTM D1298	1.1 ± 0.1 g/cm ³
Viscosity (25 °C)	ASTM D2393	200 ± 100 mPa

2.2 Mechanical properties

Tested property	Standard/Method	Result
Flexural Strength	ASTM D790	75.0 ± 5.0 MPa
Flexural Modulus	ASTM D790	1000 ± 100 MPa
Ultimate Tensile Strength	ASTM D638	45.0 ± 5.0 MPa
Elongation at Break	ASTM D638	7.0 ± 3.0 %
Hardness	ASTM D2240	75.0 ± 5.0 Shore D
IZOD Impact (Unnotched)	ASTM D4812	4.0 ± 1.0 kJ/m ²

2.3 Special parameters

Tested property	Standard/Method	Result
Solubility (24h)	ASTM D3132	≤ 0.01 %
Sorption (24h)	ASTM D570	≤ 0.47 %
Ash content	ASTM D5630	< 0.1 %

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