



HARZ Labs
MATERIALS FOR 3D PRINTING

HARZ Labs Dental Pink

Material Technical Data Sheet (TDS)

Version 1.2 / EN
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SECTION 1: DESCRIPTION AND APPLICATION

Dental Pink resin is PMMA-like resin, made of biocompatible raw materials, with gum semitransparent color. Recommended for printing of dental model of gum color such as basis models for teeth.

SECTION 2: MATERIAL PROPERTIES

2.1 Characteristics of liquid

Tested property	Standard/Method	Result (Metric)
Color	-	Pink (semitransparent)
Odor	-	Odorless
Density	ASTM D1298	1.1 ± 0.1 g/cm ³
Viscosity (25 °C)	ASTM D2393	1050 ± 250 mPa·s

2.2 Mechanical properties

Tested property	Standard/Method	Result (Metric)
Flexural Strength	ASTM D790	103.8 ± 3.2 MPa
Flexural Modulus	ASTM D790	2110 ± 80 MPa
Ultimate Tensile Strength	ASTM D638	65.1 ± 2.1 MPa
Elongation at Break	ASTM D638	6.8 ± 2.1 %
Hardness	ASTM D2240	82 ± 3, Shore D
IZOD Impact (Unnotched)	ASTM D4812	6.4 ± 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 %
Free Monomer Extraction	ISO 10993	Passed
Cytotoxicity	ISO 10993	Passed
Irritation	ISO 10993	Passed
Sensitization	ISO 10993	Passed

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