



HARZ Labs
MATERIALS FOR 3D PRINTING

HARZ Labs

Model Grey Form 2

Material Technical Data Sheet (TDS)

Version 1.2 / EN
13 April 2021

SECTION 1: DESCRIPTION AND APPLICATION

Designed for printing models that have high requirements in mechanical properties. Durable, non-shrinking and has weak odor.

SECTION 2: MATERIAL PROPERTIES

2.1 Characteristics of liquid

Tested property	Standard/Method	Result (Metric)
Color	-	Grey (opaque)
Odor	-	Odorless
Density	ASTM D1298	$1.1 \pm 0.1 \text{ g/cm}^3$
Viscosity (25 °C)	ASTM D2393	$375 \pm 225 \text{ mPa}\cdot\text{s}$

2.2 Mechanical properties

Tested property	Standard/Method	Result (Metric)
Flexural Strength	ASTM D790	$74.3 \pm 4.7 \text{ MPa}$
Flexural Modulus	ASTM D790	$2016 \pm 198 \text{ MPa}$
Ultimate Tensile Strength	ASTM D638	$45.2 \pm 4.3 \text{ MPa}$
Elongation at Break	ASTM D638	$6.1 \pm 2.1 \%$
Hardness	ASTM D2240	74 ± 3 , Shore D
IZOD Impact (Unnotched)	ASTM D4812	$5.9 \pm 0.2 \text{ kJ/m}^2$

2.3 Special parameters

Tested property	Standard/Method	Result
Solubility (24h)	ASTM D3132	$\leq 0.01 \%$
Sorption (24h)	ASTM D570	$\leq 0.47 \%$

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