HARZ Labs
Model Black

SECTION 1: DESCRIPTION AND APPLICATION

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

SECTION 2: MATERIAL PROPERTIES

2.1 Characteristics of liquid

Tested property	Standard/Method	Result (Metric)	Result (Imperial)
Color	-	Black (opaque)	
Odor	-	Odorless	
Density	ASTM D1298	1.1 g/cm^3	0.0397 lb/in^3
Viscosity (20 °C)	ASTM D2393	0.5 Pa·s	0.336 lb/ft·s

2.2 Mechanical properties

Tested property	Standard/Method	Result (Metric)	Result (Imperial)
Flexural Strength	ASTM D790	75.2 ± 5.1 MPa	10.9 ± 0.7 ksi
Flexural Modulus	ASTM D790	2007 ± 164 MPa	291 ± 24 ksi
Ultimate Tensile Strength	ASTM D638	40.8 ± 4.3 MPa	5.9 ± 0.6 ksi
Elongation at Break	ASTM D638	5.9 ± 1.5 %	
Hardness	ASTM D2240	75 ± 3, Shore D	
IZOD Impact (Unnotched)	ASTM D4812	4.1 ± 1.1 kJ/m^2	2.0 ± 0.5 ft-lb/in^2

2.3 Special parameters

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