

ULTRAPRINT **MODELING**

PARP10 Orange Clay Rapid Prototyping Resin

PARP10 Orange Clay offers a high-quality surface finish and moderate toughness, with a work of fracture at 3350 J/m² for excellent damage resistance. The smallest printable detail is 0.1 mm and the matte finish hides layer lines. It is ideal for finely-detailed models like jewelry prototypes, molds, and figurines.



Good toughness



High dimensional accuracy



Matte surface and well-defined details

Color

Orange Clay ●

Specifications

1000g/Bottle

Basic Performance¹

	Property	Standard	Results	Unit
Toughness	Impact Strength (Notched)	ASTM D256	34	J/m
	Elongation at Break	ASTM D638	15	%
	Work of Fracture	ISO 20795.1	3350	J/m ²
Stiffness	Tensile Modulus	ASTM D638	1750	MPa
	Flexural Modulus	ASTM D790	1830	MPa
Strength	Tensile Strength	ASTM D638	55	MPa
	Flexural Strength	ASTM D790	80	MPa
Thermal Resistance	Heat Deflection Temperature @0.455 MPa	ASTM D648	52 (125.6)	°C (°F)
Others	Hardness	ASTM D2240	84	Shore D
	Water Sorption	ASTM D570	1.1	%
	Viscosity	ASTM D4212	320	mPa · s
Additional Passed Tests	UV Light Aging Test ²	ASTM G154	200	h
	Damp Heat Test	IEC 60068-2-78	✓	/

Exceptional Results



Capable of bearing 800 g



Print details as small as 0.28 mm

*Special thanks to the fantastic model designers, Black Forge Games (blackforgegames.co.nz/), Roman Kharikov, and Ravenous.

¹ Data from HeyGears Lab. The material results are the average values from testing, with a deviation of ±10%.

² Equivalent to 3 years of indoor use, the material's properties degrade by less than 30%, with a non-significant color change ($\Delta E < 2$) and a dimensional deviation of ±0.1 mm.

Sample Request

