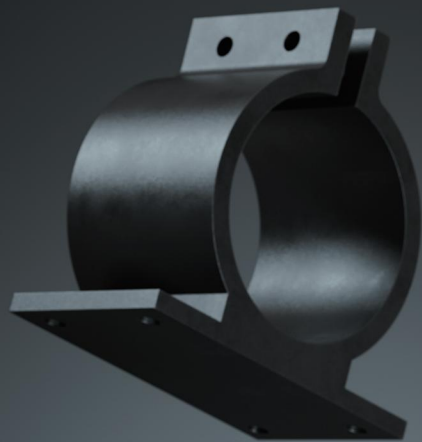


ULTRAPRINT TOOLING

PAU20 General Purpose Tooling Resin (Polycarbonate-like)

PAU20 features high load-bearing capacity. It prints accurately and with smooth surface results. Along with its exceptional wear resistance, it is ideal for printing structural components, fixtures, and tooling intended for final use.



High load-bearing capacity



Wear-resistant

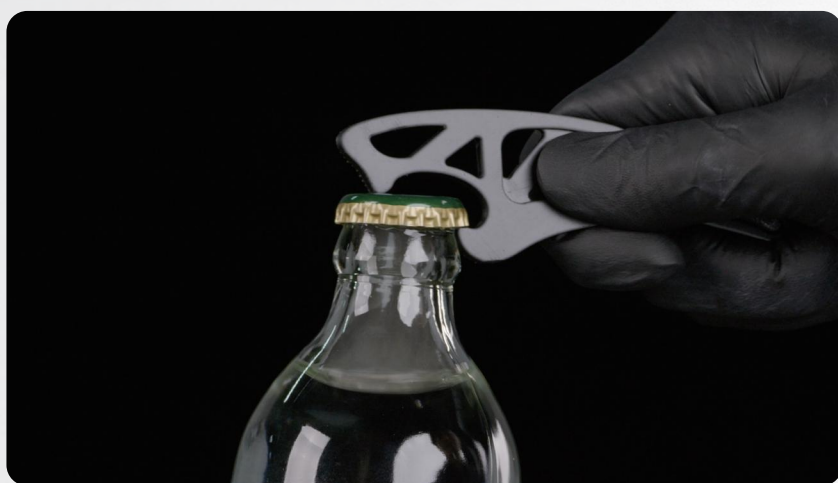
 ± 0.04 mm printed part tolerance**Color**Black **Specifications**

1000g/Bottle

Basic Performance¹

	Property	Standard	Results	Unit
Toughness	Impact Strength (Notched)	ASTM D256	35	J/m
	Elongation at Break	ASTM D638	23	%
	Work of Fracture	ISO 20795.1	5400	J/m ²
Stiffness	Tensile Modulus	ASTM D638	2290	MPa
	Flexural Modulus	ASTM D790	2300	MPa
Strength	Tensile Strength	ASTM D638	69	MPa
	Flexural Strength	ASTM D790	109	MPa
Thermal Resistance	Heat Deflection Temperature @0.455 MPa	ASTM D648	60 (140)	°C (°F)
Others	Hardness	ASTM D2240	84	Shore D
	Water Sorption	ASTM D570	1.9	%
	Viscosity	ASTM D4212	3400	mPa · s
Additional Passed Tests	UV Light Aging Test ²	ASTM G154	200	h
	Damp Heat Test	IEC 60068-2-78	✓	/

Exceptional Results



Resistant to breaking

Sample Request



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

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.