

Henkel LOCTITE 3D PRO9317 Clear

High-Clarity Resin for Detailed Prototyping

LOCTITE 3D PRO9317 Resin is a high-clarity material designed for precision prototyping and end-use applications that demand fine feature detail. This advanced resin delivers exceptional transparency, enabling the production of high-quality parts such as detailed packaging, wearable prototypes, and lighting components. With optimized mechanical properties, LOCTITE 3D PRO9317 ensures durability, impact resistance, and thermal stability, making it a versatile choice for a wide range of industries. Its low viscosity allows for smooth, bubble-free printing, and its balanced tensile and flexural properties provide strong, reliable performance.

Color options: 1kg Clear ☐

Features & Benefits

- Produce transparent parts with fine details
- Ensure durable, impact-resistant performance consistently
- Accelerate printing with low viscosity flow

Application

- Detailed packaging
- Wearable prototypes
- Lighting solutions



Mechanical properties *

Performance	Test Method	Typical Values
Appearance	-	Clear
Viscosity, 25° C	ASTM D7867	471 cP
Density (Liquid Resin)	ASTM D1475	1.05 g/cm3
Density (Solid)	ASTM D792	1.12 g/cm3
Hardness Shore D	ASTM D2240	82 D
Young's modulus	ASTM D638	1358 MPa
Tensile strength	ASTM D638	37 MPa
Elongation at break	ASTM D638	28 %
Flexural modulus	ASTM D648	1467 MPa
Flexural Stress	ASTM D648	57Mpa
Flexural Strain at Break	ASTM D790	> 5%
Notched Izod (Machined), 23° C	ASTM D256	47J/m
HDT at 0.455 MPa	ASTM D648	47 °C
HDT at 1.82 MPa	ASTM D648	40 °C

*Test parameters:

"All specimen are printed unless otherwise noted. All specimen were in ambient lab conditions at 19-23°C / 40-60% RH for at least 24 hours." ASTM Methods: D638 Type IV, 5mm/min; D790-B 1.3 mm/min, D256 Notched IZOD (Machine Notched) 6 mm x 12 mm, D2240 Type "D" (3, 5 seconds), D648 127 mm x 13 mm x 6,8 mm ; D570 3.2 mm x 51 mm Disc 24hr@ 25°C, D792 solid 8 mm x 10 mm Disc, D7867@ 25°C (77°F), D1475.

For more parameter details, please refer to the technical data sheet on this page:

<https://www.raise3d.com/materials/henkel-loctite-3d-pro9317-clear/>