

# VisiJet® Materials

Functional precision plastic parts with ProJet® MJP 3D printers



Properties	Condition	VisiJet M3 Crystal	VisiJet S300		
Composition		UV Curable Plastic	Wax Support Material	<b>Printing Modes</b>  <b>Net Build Volume (xyz)*</b> HD Mode UHD Mode XHD Mode  <b>Resolution (xyz)</b> HD Mode UHD Mode XHD Mode  <b>Build Material</b>  <b>Support Material</b>  <b>Accuracy (typical)</b>	HD - High Definition UHD - Ultra High Definition XHD - Xtreme High Definition  11.75 x 7.3 x 8 in (298 x 185 x 203 mm) 8 x 7.3 x 8 in (203 x 185 x 203 mm) 8 x 7.3 x 8 in (203 x 185 x 203 mm)  375 x 450 x 790 DPI; 32 µ layers 750 x 750 x 890 DPI; 29 µ layers 750 x 750 x 1600 DPI; 16 µ layers  VisiJet M3 Crystal – Rigid Clear  VisiJet S300  ±0.001-0.002 inch per inch (0.025-0.05 mm per 25.4 mm) of part dimension. Accuracy may vary depending on build parameters, part geometry and size, part orientation, and post-processing.
Color		Natural	White		
Bottle Quantity		2 kg	2 kg		
Density @ 80 °C (liquid)		1.02 g/cm³	N/A		
Tensile Strength	ASTM D638	42.4 MPa	N/A		
Tensile Modulus	ASTM D638	1463 MPa	N/A		
Elongation at Break	ASTM D638	6.83 %	N/A		
Flexural Strength	ASTM D790	49 MPa	N/A		
Heat Distortion Temperature	ASTM D648 @ 0.45 MPa	56 °C	N/A		
Ash Content		N/A	N/A		
Melting Point		N/A	60 °C		
Softening Point		N/A	40 °C		
USP Class VI Certified*		Yes	N/A		
Description		Tough Plastic, Translucent	Non-toxic wax material for hands-free melt-away supports		

\* DISCLAIMER: Material is capable of meeting the requirements of USP Class VI testing. It is the responsibility of each customer to determine that its use of any VisiJet material is safe, lawful and technically suitable to the customer's intended applications. The values presented here are for reference only and may vary. Customers should conduct their own testing to ensure suitability for their intended application.

INFORMATION: Layout modified by 3D-LABS

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