

VISIJET® M3 ADVANCED PLASTICS

Functional precision plastic parts with ProJet® MJP 3D printers



Properties	Condition	VisiJet M3-X	VisiJet M3 Black	VisiJet M3 Crystal	VisiJet M3 Proplast	VisiJet M3 Navy	VisiJet M3 Techplast	VisiJet M3 Procast	VisiJet S300	
Composition				UV Curable Plastic						Wax Support Material
Color		White	Black	<u>Natural</u>	Natural	Blue	Gray	Dark Blue	White	
Bottle Quantity		2 kg	2 kg	<u>2 kg</u>	2 kg	2 kg	2 kg	2 kg	2 kg	
Density @ 80 °C (liquid)	ASTM D4164	1.04 g/cm ³	1.02 g/cm ³	<u>1.02 g/cm³</u>	1.02 g/cm ³	1.02 g/cm ³	1.02 g/cm ³	1.02 g/cm ³	N/A	
Tensile Strength	ASTM D638	49 MPa	35.2 MPa	<u>42.4 MPa</u>	26.2 MPa	20.5 MPa	22.1 MPa	32 MPa	N/A	
Tensile Modulus	ASTM D638	2168 MPa	1594 MPa	<u>1463 MPa</u>	1108 MPa	735 MPa	866 MPa	1724 MPa	N/A	
Elongation at Break	ASTM D638	8.3 %	19.7 %	<u>6.83 %</u>	8.97 %	8 %	6.1 %	12.3 %	N/A	
Flexural Strength	ASTM D790	65 MPa	44.5 MPa	<u>49 MPa</u>	26.6 MPa	28.1 MPa	28.1 MPa	45 MPa	N/A	
Heat Distortion Temperature	ASTM D648 @ 0.45 MPa	88 °C	57 °C	<u>56 °C</u>	46 °C	46 °C	46 °C	N/A	N/A	
Ash Content		N/A	N/A	N/A	0.01 %	0.01 %	0.01 %	0.01 %	N/A	
Melting Point		N/A	N/A	N/A	N/A	N/A	N/A	N/A	60 °C	
Softening Point		N/A	N/A	N/A	N/A	N/A	N/A	N/A	40 °C	
USP Class VI Certified*		No	No	<u>Yes</u>	No	No	No	No	N/A	
Description		ABS-like Plastic	High strength and flexibility plastic	<u>Tough Plastic, Translucent</u>	Plastic, Natural	Plastic, Blue	Plastic, Gray	Castable Plastic	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.

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