

VisiJet® M2 Materials

Functional precision plastic and elastomeric parts with the ProJet® MJP 2500 Series



VisiJet Armor M2G-CL



VisiJet M2R-WT



VisiJet M2 ENT



VisiJet M2 EBK



VisiJet M2R-CL



VisiJet M2R-GRY

Properties	ASTM	VisiJet Armor M2G-CL	VisiJet ProFlex M2G-DUR	VisiJet M2R-GRY	VisiJet M2R-WT*	VisiJet M2R-BK*	VisiJet M2R-CL*	VisiJet M2 ENT	VisiJet M2 EBK	VisiJet M2 SUP
Composition				UV curable plastic				UV curable elastomeric		Wax support
Color		Clear	Clear	Opaque gray	Opaque white	Opaque black	Translucent clear	Translucent natural	Opaque black	White
USP Class VI Certified**		No	No	Yes	Yes	No	Yes	No	No	No
Bottle Quantity (kg)		1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4
Density @ 20 °C (solid) (g/cm³)	D792			1.16	1.16	1.16	1.16	1.12	1.12	N/A
Tensile Strength (MPa)	D638	30-35	15-20	35-45	35-45	45-55	35-45	0.2-0.4	0.2-0.4	N/A
Tensile Modulus (MPa)	D638	1500-2000	250-350	1500-2000	1500-2000	2000-2500	1500-2000	0.27-0.43	0.27-0.43	N/A
Elongation at Break	D638	55-65	65-75	20-30 %	20-30 %	6-12 %	20-30 %	160-230 %	160-230 %	N/A
Flexural Strength (MPa)	D790	40-45	N/A	50-60	50-60 MPa	80-90	50-60	N/A	N/A	N/A
Flexural Modulus (MPa)	D790	1000-1200	N/A	1700-2200	1700-2200	2400-3000	2000-2500	N/A	N/A	N/A
Impact Strength (Notched Izod) (J/m)	D256	40-50	70-80	20-25	20-25	15-18	20-25	N/A	N/A	N/A
Shore A Hardness	2240	N/A	N/A	N/A	N/A	N/A	N/A	28-32	28-32	N/A
Shore D Hardness	2240	70	60	77	77	81	77	N/A	N/A	N/A
Water Absorption (24 hr)	D570			0.50 %	0.50 %	0.50 %	0.50 %	0.90 %	0.60 %	N/A
Heat Distortion Temp @ 0.45 MPa	D648	47 °C	N/A	51 °C	51 °C	61 °C	51 °C	N/A	N/A	N/A
Heat Distortion Temp @ 1.82 MPa	D648	43 °C	N/A	45 °C	45 °C	53 °C	45 °C	N/A	N/A	N/A
Melting Point		NA	NA	N/A	N/A	N/A	N/A	N/A	N/A	60 °C
Softening Point		NA	NA	N/A	N/A	N/A	N/A	N/A	N/A	40 °C
Printer Compatibility		ProJet MJP 2500 Plus	ProJet MJP 2500/2500 Plus	ProJet MJP 2500 Plus	ProJet MJP 2500/2500 Plus	ProJet MJP 2500/2500 Plus	ProJet MJP 2500 Plus	ProJet MJP 2500 Plus	ProJet MJP 2500 Plus	ProJet MJP 2500/2500 Plus
Description		Transparent clear	Transparent clear	Rigid gray, high contrast	High modulus, rigid white plastic	High modulus, rigid black plastic	Transparent clear	Flexible, rubber-like	Flexible, rubber-like	Non-toxic wax for hands-free melt-away supports

* Respectively replaces former VisiJet® M2 RWT, RBK and RCL materials

** Suitable for use in certain medical applications when post-processed following 3D Systems guidelines

DISCLAIMER: 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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