VisiJet® PXL

Unspecified

3D Systems

Message:

The VisiJet® line of materials offers numerous capabilities to meet a variety of commercial applications. Using the ColorJet Printing (CJP) technology, 3D Systems' ProJet® x60 3D Printers use the VisiJet® PXL[™] material set to build strong, high-definition, full color concept models, assemblies and prototypes, for design realization, advanced communication, as well as development and production cost reduction. Printed models benefit transportation, energy, consumer products, recreation, healthcare, education and other vertical markets. Parts can be sanded, drilled, tapped, painted and electroplated, which further expands the options available for finished part characteristics. Additionally, models have high-temperature resistance, ideal for digital manufacturing and molding applications.

Our premium composite for the ProJet x60 product line, VisiJet PXL delivers the best of everything:

Toughest parts

Best resolution

Whitest whites

Excellent color accuracy

Low cost per printed part

General Information		
Features	Good Color Stability	
	Good Surface Finish	
	Good Toughness	
	High Heat Resistance	
	Paintable	
Uses	Engineering Parts	
	Modeling Material	
	Prototyping	
Appearance	Black	
	Blue	
	Clear/Transparent	
	Red	
	Yellow	
Forms	Liquid	
Processing Method	3D Printing, Stereolithography	
Mechanical	Nominal Value	Unit
Tensile Modulus		
¹	9450	MPa
²	12600	MPa
³	12900	MPa
Tensile Strength		
4	14.2	MPa
5	26.4	MPa

6	2.38	MPa
Tensile Elongation		
Break ⁷	0.23	%
Break ⁸	0.21	%
Break ⁹	0.040	%
Flexural Modulus		
10	7160	MPa
11	10700	MPa
12	6360	MPa
Flexural Strength		
13	31.1	MPa
14	44.1	MPa
15	13.1	MPa
NOTE		
1.	Using ColorBond™ Infiltrant: Instant-cure infiltrant ideal for color models to improve strength and color vibrancy and retention.	
2.	Using StrengthMax™ Infiltrant: Two-part infiltrant ideal for functional models to dramatically improve the strength of the model.	
3.	Using Salt Water Cure [™] Infiltrant: Eco-friendly and hazard-free infiltrant. Ideal for monochrome models and draft- color. Provides additional surface hardness and modulus upon dipping, or spraying.	
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