

VeroBlackPlus™ RGD875

Unspecified

Stratasys

Message:

PolyJet rigid opaque materials give you brilliant color and includes VeroCyan™, VeroMagenta™, VeroYellow, VeroWhitePlus™, VeroGray™, VeroBlue™ and VeroBlackPlus™.

Ideal for:

Fit and form testing

Moving parts and assembled parts

Sales, marketing and exhibition models

Assembly of electronic components

Silicon molding

General Information			
Features	High Rigidity		
Uses	Electrical Parts		
	Engineering Parts		
	Modeling Material		
	Mold Making		
	Prototyping		
Appearance	Black		
	Opaque		
Processing Method	3D Printing, Jetted Photopolymer		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17 to 1.18	g/cm ³	ASTM D792
Water Absorption (24 hr)	1.1 to 1.5	%	ASTM D570
Ash Content	0.010 to 0.020	%	USP 281
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	73 to 76		
Durometer Hardness (Shore D)	83 to 86		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2000 to 3000	MPa	ASTM D638
Tensile Strength	50.0 to 65.0	MPa	ASTM D638
Tensile Elongation (Break)	10 to 25	%	ASTM D638
Flexural Modulus	2200 to 3200	MPa	ASTM D790
Flexural Strength	75.0 to 110	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	20 to 30	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648

0.45 MPa, Unannealed	45.0 to 50.0	°C	
1.8 MPa, Unannealed	45.0 to 50.0	°C	
Glass Transition Temperature	52.0 to 54.0	°C	DMA

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Recommended distributors for this material

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