

VeroClear™ RGD810

Unspecified

Stratasys

Message:

VeroClear™ is a rigid, colorless material featuring great dimensional stability. Ideal for simulating PMMA.

Ideal for:

- Form and fit testing of see-through parts like: glass consumer products, eye-wear, light covers and cases
- Visualization of liquid flow
- Medical applications
- Artistic and exhibition modeling

General Information			
Features	Good Dimensional Stability		
	High Rigidity		
Uses	Consumer Applications		
	Lighting Applications		
	Medical/Healthcare Applications		
	Modeling Material		
	Optical Applications		
	Protective Coverings		
	Prototyping		
	Transparent or Translucent Parts		
Appearance	Clear/Transparent		
Processing Method	3D Printing, Jetted Photopolymer		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18 to 1.19	g/cm ³	ASTM D792
Water Absorption (24 hr)	1.1 to 1.5	%	ASTM D570
Ash Content	0.020 to 0.060	%	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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