

Stratasys RGD720

Unspecified

Stratasys

Message:

RGD720 is PolyJet's original multi-purpose transparent material for standard plastic simulation.

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	General Purpose		
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)	1.5 to 2.2	%	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)	15 to 25	%	ASTM D638
Flexural Modulus	2700 to 3300	MPa	ASTM D790
Flexural Strength	80.0 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	48.0 to 50.0	°C	DMA

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Recommended distributors for this material

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