

DurusWhite™ RGD430

Unspecified
Stratasys

Message:

DurusWhite™ is ideal for simulating the flexibility, strength and toughness of Polypropylene. Properties include Izod notched impact of 44 J/m, elongation at break of 44% and flexural modulus of 1026 MPa.

Ideal for:

Reusable containers and packaging

Flexible, snap-fit applications and living hinges

Toys, battery cases, laboratory equipment, loudspeakers and automotive components

General Information			
Features	Good Flexibility		
	Good Strength		
	Good Toughness		
Uses	Automotive Applications		
	Battery Cases		
	Containers		
	Labware		
	Living Hinges		
	Packaging		
	Prototyping		
	Toys		
Appearance	White		
Processing Method	3D Printing, Jetted Photopolymer		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15 to 1.17	g/cm ³	ASTM D792
Water Absorption (24 hr)	1.5 to 1.9	%	ASTM D570
Ash Content	0.10 to 0.12	%	USP 281
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	74 to 78		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1000 to 1200	MPa	ASTM D638
Tensile Strength	20.0 to 30.0	MPa	ASTM D638
Tensile Elongation (Break)	40 to 50	%	ASTM D638
Flexural Modulus	1200 to 1600	MPa	ASTM D790
Flexural Strength	30.0 to 40.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	40 to 50	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	37.0 to 42.0	°C	
1.8 MPa, Unannealed	32.0 to 34.0	°C	
Glass Transition Temperature	35.0 to 37.0	°C	DMA

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