

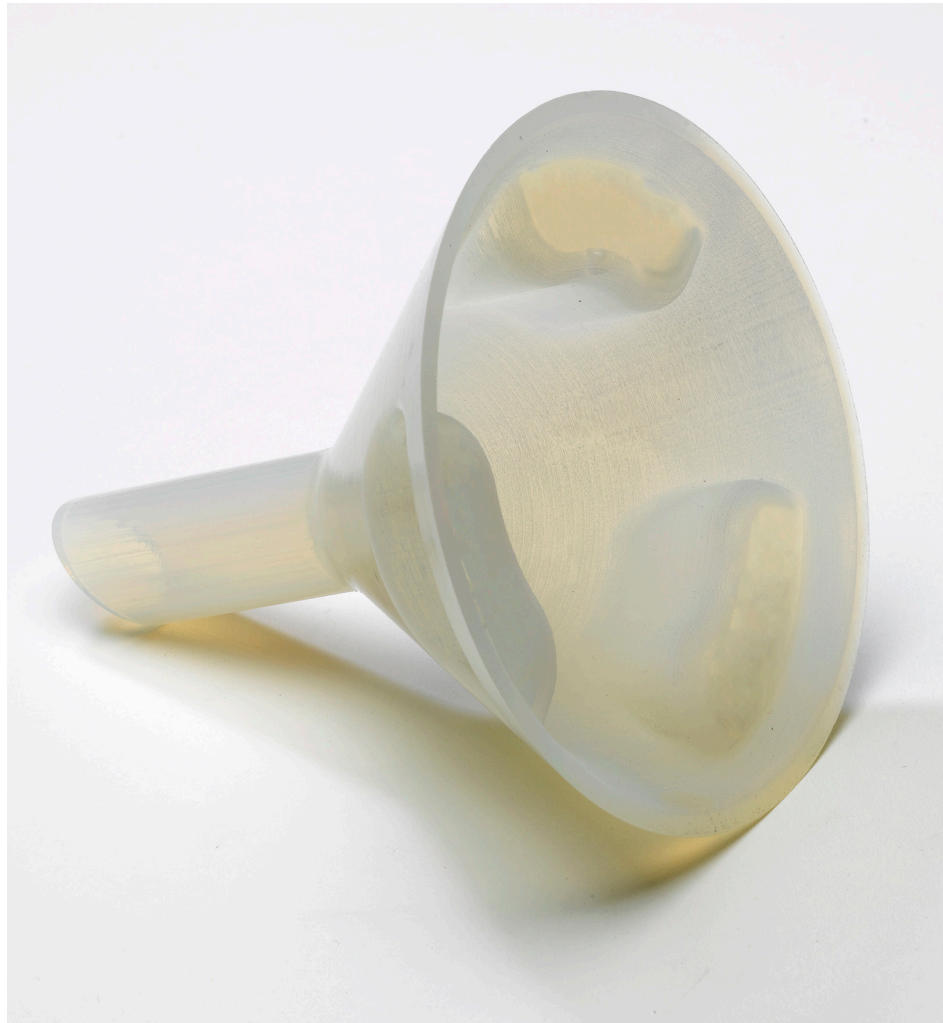


# Durus

## POLYJET SIMULATED POLYPROPYLENE MATERIAL

Durus™ (RGD430) is the original simulated polypropylene material and exhibits great impact resilience and an elongation at break of 44 percent.

Delicate features and small cavities are easily maintained with easily removed support material.

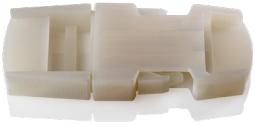


TO LEARN MORE ABOUT DURUS AT [STRATASYS.COM](https://www.stratasys.com)

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**stratasys**

THE 3D PRINTING SOLUTIONS COMPANY



# Durus

## POLYJET SIMULATED POLYPROPYLENE MATERIAL

### At the core:

#### PolyJet Technology

PolyJet technology creates precise prototypes that set the standard for finished-product realism. Its fine resolution makes complex shapes, intricate details and smooth surfaces possible. PolyJet 3D Printing works by jetting layers of liquid photopolymer onto a build tray and instantly curing them with UV light. The fine layers build up to create a precise 3D model or prototype. Models are ready to handle right out of the 3D printer, with no post curing needed.

#### Keep valuable resources in-house

You'll be amazed when you see how easy it is to produce realistic models in-house. PolyJet 3D Printers offer not only unparalleled speed, they make it easy for you to print with the widest range of material properties.

#### No special facilities needed

You can install PolyJet 3D Printers just about anywhere. No special venting is required because PolyJet 3D Printers don't produce noxious fumes, chemicals or waste.

#### Good ideas sell easier

PolyJet 3D Printers improve communication and collaboration because they produce amazingly accurate representations of your ideas that you can share with your team and your clients for a faster, more confident buy-in.

	ASTM	METRIC	IMPERIAL
<b>Tensile Strength</b>	D-638-03	20-30 MPa	2,900-4,350 psi
<b>Elongation at Break</b>	D-638-05	40-50%	40-50%
<b>Modulus of Elasticity</b>	D-638-04	1,000-1,200 MPa	145,000-175,000 psi
<b>Flexural Strength</b>	D-790-03	30-40 MPa	4,350-5,800 psi
<b>Flexural Modulus</b>	D-790-04	1,200-1,600 MPa	175,000-230,000 psi
<b>HDT, °C @ 0.45MPa</b>	D-648-06	37-42 °C	99-108 °F
<b>HDT, °C @ 1.82MPa</b>	D-648-07	32-34 °C	90-93 °F
<b>Izod Notched Impact</b>	D-256-06	40-50 J/m	0.749-0.937 ft lb/inch
<b>Water Absorption</b>	D-570-98 24hr	1.5-1.9%	1.5-1.9%
<b>Tg</b>	DMA, E»	35-37 °C	95-99 °F
<b>Shore Hardness (D)</b>	Scale D	74-78 Scale D	74-78 Scale D
<b>Polymerized Density</b>	D792	1.15-1.17 g/cm <sup>3</sup>	
<b>Ash Content</b>	USP281	0.10-0.12	0.1-0.12%

SYSTEM AVAILABILITY	LAYER THICKNESS CAPABILITY	SUPPORT STRUCTURE	AVAILABLE COLOR
Objet30™ Objet30 Pro™ Objet30 Prime™ Objet Eden260VS™ Objet260 Connex1™ Objet260 Connex3™ Objet350 Connex3™ Objet500 Connex1™ Objet500 Connex3™	Ranging from 28 microns (0.0011 in.) to 14 microns (0.00055 in.)	SUP705™ (WaterJet removable)  SUP706™ (soluble and WaterJet removable)	Ivory



STRATASYS.COM  
ISO 9001:2008 Certified

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