

Durus

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.

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

System Availability

| Printer | Minimum Layer Thickness Capability | Support Structure | Available Color |
|-------------------|------------------------------------|--|-----------------|
| Objet30 Pro | 14 microns (0.00055 in.) | SUP705™ (WaterJet removable) SUP706™ (soluble and WaterJet removable) | ■ Ivory |
| Objet30 Prime™ | 14 microns (0.00055 in.) | SUP705 (WaterJet removable) SUP706 (soluble and WaterJet removable) | ■ Ivory |
| Objet Eden260VS™ | 14 microns (0.00055 in.) | SUP705 (WaterJet removable) SUP706 (soluble and WaterJet removable) | ■ Ivory |
| Objet260 Connex1™ | 14 microns (0.00055 in.) | SUP705 (WaterJet removable) SUP706 (soluble and WaterJet removable) | ■ Ivory |
| Objet260 Connex3™ | 14 microns (0.00055 in.) | SUP705 (WaterJet removable) SUP706 (soluble and WaterJet removable) | ■ Ivory |

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System Availability (Continued)

| System Availability | Layer Thickness Capability | Support Structure | Available Color |
|---------------------|-----------------------------|--|-----------------|
| Objet350 Connex3™ | 14 microns (0.00055 in.) | SUP705 (WaterJet removable) SUP706 (soluble and WaterJet removable) | ■ Ivory |
| Objet500 Connex1™ | 14 microns (0.00055 in.) | SUP705 (WaterJet removable) SUP706 (soluble and WaterJet removable) | ■ Ivory |
| Objet500 Connex3™ | 14 microns (0.00055 in.) | SUP705 (WaterJet removable) SUP706 (soluble and WaterJet removable) | ■ Ivory |

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