

# DraftGrey for Stratasys J55

DraftGrey™ is a rigid material targeted for concept single material design models. Models made with DraftGrey have a medium opacity and a smooth finish. DraftGrey cannot be digitally mixed with any other PolyJet™ material but can be printed separately on the tray with other models composed from other PolyJet materials.

DraftGrey		
	ASTM	Value
Tensile Strength	D-638-03	40 – 55 MPa (5,800 – 8,000 psi)
Elongation at Break	D-638-05	5 – 20%
Modulus of Elasticity	D-638-04	2,200 – 3,000 MPa (320,000 – 435,000 psi)
Flexural Strength	D-790-03	70 – 85 MPa (10,000 – 16,000 psi)
Flexural Modulus	D-790-04	2,000 – 2,500 MPa (290,000 – 365,000 psi)
HDT, °C @ 0.45MPa	D-648-06	45 – 50 °C (113 – 122 °F)
HDT, °C @ 1.82MPa	D-648-07	45 – 50 °C (113 – 122 °F)
Izod Notched Impact	D-256-06	20 – 30 J/m (0.375 – 0.562 ft-lb/inch)
Water Absorption	D-570-98 24hr	1.1 – 1.5%
Tg	DMA, E <sub>2</sub>	52 – 54 °C (126 – 129 °F)
Shore Hardness (D)	Scale D	83 – 86 (Scale D)
Polymerized Density	Scale M	1.17 – 1.18 g/cm <sup>3</sup>

For information on the DraftGrey material properties on the J8 series and other PolyJet 3D printers, please visit [www.stratasys.com/3d-printers/j8-series](http://www.stratasys.com/3d-printers/j8-series).

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