

DraftGrey

DraftGrey™ is a rigid material with medium opacity and smooth finish targeted for printing concept single material models at an affordable price.

	ASTM	Value
Tensile Strength	D-638-03	50 – 65 MPa (7,250 – 9,450 psi)
Elongation at Break	D-638-05	10 – 25%
Modulus of Elasticity	D-638-04	2,000 – 3,000 MPa (290,000 – 435,000 psi)
Flexural Strength	D-790-03	75 – 110 MPa (11,000 – 16,000 psi)
Flexural Modulus	D-790-04	2,200 – 3,200 MPa (320,000 – 465,000 psi)
HDT, °C @ 0.45 MPa	D-648-06	45 – 50 °C (113 – 122 °F)
HDT, °C @ 1.82 MPa	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	D-7028 (DMA)	52 – 54 °C (126 – 129 °F)
Shore Hardness	Scale D	83 – 86 (Scale D)
Rockwell Hardness	Scale M	73 – 76 (Scale M)
Polymerized Density	Scale D-792	1.17 – 1.18 g/cm ³
Ash Content	USP281	0.23 – 0.26%

System Availability

Printer	Minimum Layer Thickness	Support Structure	Available Colors
J826™ Prime / J835™	14 microns (0.00055 in.)	SUP705™ (water jet removable) SUP706B™ (soluble)	DraftGrey
J850™ Pro / J850 Prime	14 microns (0.00055 in.)	SUP705™ (water jet removable) SUP706B™ (soluble)	DraftGrey
J35™	18 microns (0.0007 in.)	SUP710™ (soluble)	DraftGrey
J55™ / J55 Prime	18 microns (0.0007 in.)	SUP710 (soluble)	DraftGrey
Objet30™ ¹	16 microns (0.0006 in.)	SUP705 (water jet removable) SUP706B (soluble)	DraftGrey

¹ Objet30 V3 and above using GrabCAD Print.