

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™ Pro | 18 microns (0.0007 in.) | SUP710™ (water jet removable) | DraftGrey |
| J55™ / J55 Prime | 18 microns (0.0007 in.) | SUP710 (water jet removable) | DraftGrey |
| Objet30™ Pro/Prime ¹ | 16 microns (0.0006 in.) | SUP705 (water jet removable) SUP706B (soluble) | DraftGrey |

¹Objet30 V3 and above using GrabCAD Print.



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