



## 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      |                                           |
| 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/cm³                         |
| 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)<br>SUP706B™ (soluble) | DraftGrey        |
| J850™ Pro / J850 Prime |                          |                                                     |                  |
| J35™ Pro               | 18 microns (0.0007 in.)  | SUP710S™ (water jet removable)                      | DraftGrey        |
| J55™ / J55 Prime       |                          |                                                     |                  |
| Objet30™ Pro/Prime¹    | 16 microns (0.0006 in.)  | SUP705 (water jet removable)<br>SUP706B (soluble)   | DraftGrey        |

¹ Objet30 V3 and above using GrabCAD Print.



alphacam GmbH  
Erlenwiesen 16  
D-73614 Schorndorf  
Tel.: +49 7181 9222-0  
info@alphacam.de

alphacam austria GmbH  
Handelskai 92, Gate1 / 2. OG / Top A  
A-1200 Wien  
Tel.: +43 1 3619 600-0  
info@alphacam.at

alphacam swiss GmbH  
Zürcherstrasse 14  
CH-8400 Winterthur  
Tel.: +41 52 26207-50  
info@alphacam.ch



alphacam.de

.at

.ch

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**MATERIAL DATA SHEET**

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