

# VeroUltra for J7/8 Series



VeroUltra™ includes VeroUltra™ White and VeroUltra™ Black colors and is available for J7/8 Series printers. VeroUltra™ is available in 3.6 cartridges for the J7 Series and in 4 kg cartridges for the J8 Series printers. The use of VeroUltra™ White and VeroUltra™ Black significantly improves the color opacity and color uniformity. It also provides a smoother texture enabling high quality plastic appearance, ultra-sharp graphics and high contrast print levels previously impossible to achieve.

Opaque materials facilitate the printing of thin parts, providing richer colors with sharper textures and texts. Opaque shades bring models to life with un-matched color realism

| Vero Opaque for J7 Series                                                           | Vero Opaque for J8 Series                                                         |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| VeroUltra™ White (RGD825), VeroUltra™ Black (RGD865) available in 3.6 kg cartridges | VeroUltra™ White (RGD825), VeroUltra™ Black (RGD865) available in 4 kg cartridges |

| Vero Opaque Family for J7/8 Series |                     |                                       |
|------------------------------------|---------------------|---------------------------------------|
|                                    | ASTM                | Value                                 |
| Tensile Strength                   | D-638-03            | 50 - 70 MPa (7250 - 10150 psi)        |
| Elongation at Break                | D-638-05            | 7 - 12 %                              |
| Modulus of Elasticity              | D-638-04            | 2000 - 3000 MPa (290000 - 435000 psi) |
| Flexural Strength                  | D-790-03            | 75 - 100 MPa (10850 - 14500 psi)      |
| Flexural Modulus                   | D-790-04            | 2100 - 2600 MPa (304600 - 377100 psi) |
| HDT, °C @ 0.45MPa                  | D-648-06            | 48 - 54°C (118 - 129°F)               |
| HDT, °C @ 1.82MPa                  | D-648-07            | 45 - 50°C (113 - 122°F)               |
| Izod Notched Impact                | D-256-06            | 19 - 25 J/m (0.358-0.472 ft-lb/in.)   |
| Water Absorption                   | D-570-98 24hr       | 1.0 - 1.2 %                           |
| Tg                                 | DMA, E <sub>2</sub> | 49-56 °C (120 - 133 °F)               |
| Shore Hardness (D)                 | Scale D             | 83 - 86                               |
| Polymerized Density                | ASTM D792           | 1.19 - 1.20                           |

| System Availability |                          |                             |                  |
|---------------------|--------------------------|-----------------------------|------------------|
| Printer             | Min Layer Thickness      | Support Structure           | Available Colors |
| J7 Series           | 14 microns (0.00055 in.) | SUP705 (WaterJet removable) | VeroUltra™ White |
|                     |                          | SUP706 (soluble)            | VeroUltra™ Black |
| J8 Series           | 14 microns (0.00055 in.) | SUP705 (WaterJet removable) | VeroUltra™ White |
|                     |                          | SUP706 (soluble)            | VeroUltra™ Black |

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