

# VeroUltra for Stratasys J55

VeroUltra™ includes VeroUltra™ WhiteS and VeroUltra™ BlackS colors and is available for the J55 printer. VeroUltra™ is available in 1.1 kg cartridges for the J55 printer. The use of VeroUltra™ WhiteS and VeroUltra™ BlackS improves significantly 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 J55

VeroUltra™ WhiteS (RGD824), VeroUltra™ BlackS(RGD864) available in 1.1 kg cartridges

## Vero Opaque Family for J55

|                       | ASTM                | Value                                 |
|-----------------------|---------------------|---------------------------------------|
| Tensile Strength      | D-638-03            | 50-65 (7250-9430 psi)                 |
| Elongation at Break   | D-638-05            | 5-20 %                                |
| Modulus of Elasticity | D-638-04            | 2000 - 3000 MPa (290000 - 435000 psi) |
| Flexural Strength     | D-790-03            | 65-85 (9400-12300 psi)                |
| Flexural Modulus      | D-790-04            | 2000-2800 (290000-406100 psi)         |
| HDT, °C @ 0.45MPa     | D-648-06            | 48-52 °C (118-126 °F)                 |
| HDT, °C @ 1.82MPa     | D-648-07            | 44-47 °C (111-117 °F)                 |
| Izod Notched Impact   | D-256-06            | 20-30 J/m (0.375 – 0.562 ft-lb/in.)   |
| Water Absorption      | D-570-98 24hr       | 1.1-1.4%                              |
| Tg                    | DMA, E <sub>9</sub> | 54-56 °C (124-133 °F)                 |
| Shore Hardness (D)    | Scale D             | 83 – 86                               |
| Polymerized Density   | ASTM D792           | 1.19-1.23                             |

## System Availability

| Printer | Min Layer Thickness     | Support Structure           | Available Colors                       |
|---------|-------------------------|-----------------------------|----------------------------------------|
| J55     | 18 microns (0.0007 in.) | SUP710 (WaterJet removable) | VeroUltra™ WhiteS<br>VeroUltra™ BlackS |

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