

## Simulate Standard Plastics – Rigid & Opaque

The PolyJet family of rigid opaque materials includes VeroWhitePlus™, VeroGray™, VeroBlue™ and VeroBlackPlus™.

Combining dimensional stability and high-detail visualization, the PolyJet rigid opaque family is intended for standard plastics simulation and model creations that closely resemble the ‘look’ of the end product.

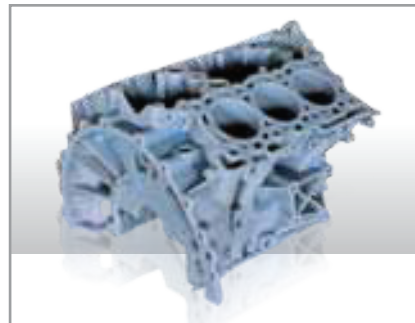
### Simulate Rigid, Opaque Shades

#### Selected Digital Materials –

Combining rigid opaque and rubber-like family of materials.

#### Ideal for:

- Wide range of fit and form testing
- Moving parts and assembled parts
- Exhibition and sales & marketing models
- Assembly of electronic components
- VeroBlue™ material is ideal for silicon molding



## Materials Simulating Standard Plastics

### Rigid Opaque Materials

VeroGray RGD850, VeroBlackPlus RGD875, VeroWhitePlus RGD835

	ASTM	Units	Metric	Units	Imperial
Tensile strength	D-638-03	MPa	50-65	psi	7250-9450
Elongation at break	D-638-05	%	10-25	%	10-25
Modulus of elasticity	D-638-04	MPa	2000-3000	psi	290,000-435,000
Flexural Strength	D-790-03	MPa	75-110	psi	11000-16000
Flexural Modulus	D-790-04	MPa	2200-3200	psi	320,000-465,000
HDT, °C @ 0.45MPa	D-648-06	°C	45-50	°F	113-122
HDT, °C @ 1.82MPa	D-648-07	°C	45-50	°F	113-122
Izod Notched Impact	D-256-06	J/m	20-30	ft lb/inch	0.375-0.562
Water Absorption	D-570-98 24hr	%	1.1-1.5	%	1.1-1.5
Tg	DMA, E <sub>2</sub>	°C	52-54	°F	126-129
Shore Hardness (D)	Scale D	Scale D	83-86	Scale D	83-86
Rockwell Hardness	Scale M	Scale M	73-76	Scale M	73-76
Polymerized density	ASTM D792	g/cm <sup>3</sup>	1.17-1.18		
Ash content VeroGray, VeroWhitePlus	USP281	%	0.23-0.26	%	0.23-0.26
Ash content VeroBlackPlus	USP281	%	0.01-0.02	%	0.01-0.02

## PolyJet Materials Data Sheet



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