

# Data Sheet: Rigid Opaque Material

(VeroGray RGD850, VeroBlackPlus RGD875, VeroWhitePlus RGD835, VeroYellow RGD836, VeroCyan RGD841, YellowMagenta RGD851)

## Details

Opaque materials are good material choices for light functional testing, patterns, prototypes and models. This material gives brilliant colour.

## Key Features

Brilliant colour · High rigidity

## Thermal Properties

Property	Value
Heat deflection [°C]	45 - 50
Glass transition temperature [°C]	52 - 54

## Mechanical Properties

Property	Value
Tensile strength [MPa]	50 - 65
Modulus of elasticity [GPa]	2 - 3
Flexural strength [MPa]	75 - 110
Flexural modulus [GPa]	2.2 - 3.2
Rockwell Hardness	73 - 76
Impact strength [J/m]	20 - 30
Elongation at break [%]	10 - 25

## Physical Properties

Property	Value
Density [g/cm <sup>3</sup> ]	1.17 – 1.18
Water Absorption [%]	1.1 – 1.5
Ash content	0.23 – 0.26

## Reference

Datasheets provided by Xometry contain materials sourced through trusted OEMs, material distributors, and databases. Please visit [Materialdatacenter.com](https://www.materialdatacenter.com) for further information on this material.