



355 Hard Black



## SPECS

### FEATURES

355 Hard Black is the perfect option for production of opaque, accurate 3D printed parts that exhibit similar properties to that of production ABS and PBT. The printed parts have a deep black colour after post curing. It lends itself well to functional fitted parts as well as styling due to the crisp colour.

355 Black Hard is ideal for designers and engineers looking to simulate ABS and PBT in SLA resin. It lends itself well for styling and functional fitted parts where a rugged versatile material is required.

#### Key Benefits:

- Crisp, black parts
- Accurate prints
- Easy to use
- Rigid and tough

#### Ideal Applications:

- Durable and functional prototypes
- Short run production parts

### DATA

<b>Viscosity</b> (At 25°C Brookfield spindle 3)	290 cPs
<b>Hardness</b> ASTM D2240 (After post exposure)	87 Shore D
<b>Tensile strength</b> ASTM D638 (After post exposure)	42 MPa
<b>Tensile modulus</b> ASTM D638 (After post exposure)	2420-2610
<b>Elongation at break</b> ASTM D638	6-10 %
<b>Heat deflection temp</b> ASTM D648	49 °C
<b>Tg</b> ASTM D648	44 °C
<b>Storage</b>	10<t>50°C
<b>Density</b>	1.09 g/cm <sup>3</sup>
<b>Ec (mJ/cm<sup>2</sup>)</b>	15.0
<b>Dp (mils)</b>	5.5

### AVAILABLE COLOURS

#### Black only

Available in 18 kg pails or 200 kg drums

Profiles available on request