

Technical Data



355 Hard Clear



SPECS

FEATURES

355 Hard Clear is specially formulated to produce accurate, clear prints with superb definition and mechanical properties. 3D printed parts exhibit similar mechanical and haptic properties found in injection moulded ABS or PBT. 355 Hard Clear allows for both quick printing of accurate and detailed parts along with quick post processing allowing for rapid development and use of printed parts.

355 Hard Clear is ideal for use by designers looking for great clarity in highly detailed parts or engineers desiring durability for functional prototyping.

Key Benefits:

- Clear printed parts
- Accurate prints
- Easy to print and process
- Rigid and tough

Ideal Applications:

- Prototyping where internal visualisation is required
- Durable, functional parts
- Consumer products
- Medical models

DATA

| | |
|---|------------------------|
| Viscosity (At 25°C Brookfield spindle 3) | 460-540 cPs |
| Hardness ASTM D2240 (After post exposure) | 86 Shore D |
| Tensile strength ASTM D638 (After post exposure) | 42 MPa |
| Tensile strength ASTM D638 (Before post exposure) | 45 - 49 MPa |
| Tensile modulus ASTM D638 (After post exposure) | 2320-2530 |
| Elongation at break ASTM D638 | 9-13 % |
| Heat deflection temp ASTM D648 | 49 °C |
| Tg ASTM D648 | 45 °C |
| Storage | 10<t>50°C |
| Density | 1.10 g/cm ³ |
| Ec (mJ/cm²) | 11.5 |
| Dp (mils) | 5.5 |

AVAILABLE COLOURS

Clear only

Available in 18 kg pails or 200 kg drums
Profiles available on request