

Materials Handbook - Industry

Performance materials for digital manufacturing applications



PlasGRAY

Asiga's Plas range of materials exhibit exceptional mechanical strength properties along with superior surface finish and detail definition. PlasGRAY offers a super smooth matte surface finish with crisp product detailing. Layer thickness range from 10 microns.

Applications:

- Product enclosures.
- Jigs and fixtures
- Miniature model making

Printer compatibility: 385nm (UV) and 405nm.

Technical Data

COLOR	GRAY
TENSILE STRENGTH	51.1 Mpa
ELONGATION AT BREAK	6.58 %
ELONGATION AT YIELD	8.40%
FLEXURAL STRENGTH	86.8 MPa
FLEXURAL MODULUS	1910 MPa
HARDNESS (SHORE D)	82 Shore D
VISCOSITY	343 mPa s
GLASS TRANSITION TEMPERATURE	84°C
IZOD NOTCHED IMPACT	4.97 kJ/m ²
DENSITY	1.181g/cm ³

