

RAPID PRO GREY TECHNICAL DATASHEET

Technical Data – Liquid Properties

Appearance	Grey viscous liquid
Viscosity	500cps @ 25 °C
Density	1.14 g/cm ³ @ 25 °C
Dp (Cure Slope)	5.1 mil
Ec (Critical Exposure)	13 mJ/cm ²

Technical Data – Mechanical Properties

Property	Test Method	Pro Grey
Tensile Strength	ASTM D638M	50–56MPa
Tensile Modulus	ASTM D638M	3000–3300 MPa
Elongation at Break	ASTM D638M	4-7%
Flexural Strength	ASTM D790	76–81 MPa
Flexural Modulus	ASTM D790	2300–2520 MPa
Izod Impact (Notched)	ASTM D256	29–32 J/m
Water Absorption	ASTM D570	0.57%
Hardness (Shore D)	ASTM D2241	80 D
HDT @ 0.45 MPa	ASTM D648	56–61°C

Material Description

- Light grey, rigid photopolymer resin designed for use with 355nm light source, high-precision SLA rapid prototyping systems
- Printed parts exhibit a smooth, uniform, soft sheen surface finish
- The material offers high stiffness, good strength and thermal resistance, and is suitable for wide range of applications such as housings, clips, brackets, fixtures, instrument components and other mechanically demanding applications, requiring durable functional components
- Easy to clean and post-process using standard cleaning protocols and commonly used solvents (IPA, TPM, DPM). Recommended solvent exposure time <30min.

General Information

Typical values are provided for reference purposes only and are not intended for specification or quality control limits. Part appearance and mechanical performance are influenced by print parameters, build orientation, post-processing and post-curing conditions.