



General purpose, biodegradable. Rigid, good surface finish. Not heat or UV resistant. Most cost-effective option. Not suitable for heat or outdoor exposure.

STRENGTHS

- + Lowest cost per part
- + Biodegradable
- + Good surface finish
- + Easy to post-process

LIMITATIONS

- Not heat resistant (softens ~55°C)
- Not UV stable — degrades outdoors
- Brittle under impact

CATEGORY

General Purpose

TECHNOLOGY

FDM (Fused Deposition Modeling)

SERVICES

prototyping, production

INDUSTRIES

Consumer Electronics, Architecture & Design, Robotics & Hardware

AVAILABLE COLORS


White, Black, Gray, Clear, Custom Color

MECHANICAL PROPERTIES

PROPERTY	VALUE
Tensile Modulus	2.3 GPa
Tensile Strength (UTS)	51 MPa
Elongation at Break	2.9%
Flexural Modulus	3.1 GPa
Flexural Strength	83 MPa
Impact Strength (Izod)	25 J/m
Hardness	Shore D 81

PHYSICAL PROPERTIES

PROPERTY	VALUE
Density	1.24 g/cm³
Surface Roughness	15 Ra μm
Heat Deflection (HDT)	55 °C @ 0.45 MPa
Min Layer Height	200 μm
Light Transmission	Opaque
Max Build Dimension	360 mm