



ASA Filament

Description

Requires heated bed
High impact and wear resistance
High resistance to chemicals and weather conditions
Ease of printing detailed parts

Application

In applications where UV resistance is required
In functional part
Prototyping

Processing Guide

| | |
|-----------------------------|---------------------|
| Nozzle Temperature (°C) | 230-260 |
| Heated bed temperature (°C) | 90-110 |
| Adhesive on build plate | Required (optional) |
| Printing environment | Room Temperature |

Diameters and Tolerances

| | |
|--------------|----------|
| Dia. 1.75 mm | ±0.04 mm |
| Dia. 2.85 mm | ±0.05 mm |

Physical Properties

| | |
|------------------------------|-----------------------------|
| Density (g/cm ³) | 1.07 |
| Melt Flow Rate (g/10min) | (test cond.- 220°C/10kg) 12 |

Mechanical Properties

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|------------------------------|-----|
| Tensile Strength-Yield (MPa) | 48 |
| Tensile Elongation-Break (%) | 25 |
| Flexural Strength (MPa) | 76 |
| Rockwell Hardness (R-scale) | 103 |

Thermal Properties

| | |
|----------------------------------|----|
| Heat Deflection Temperature (°C) | 86 |
| Flammability | HB |
