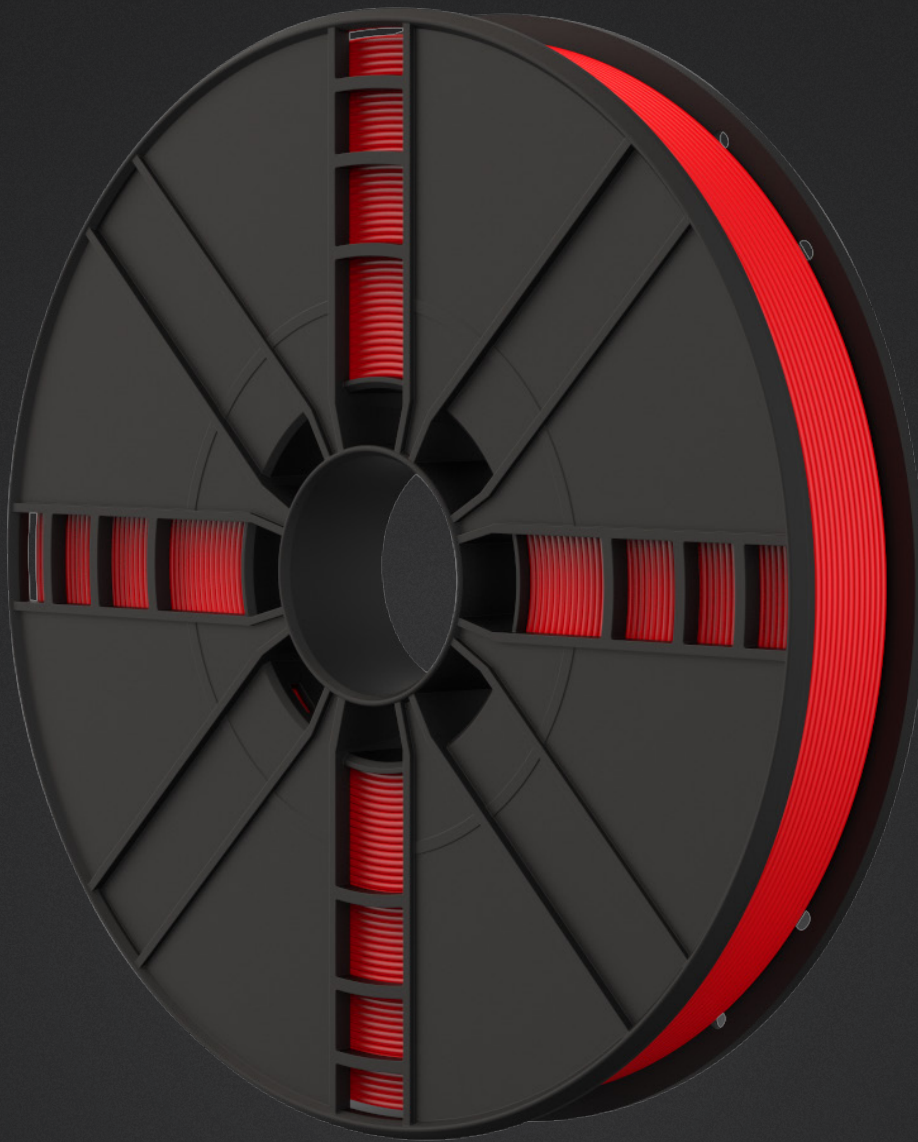


# MAKERBOT® FILAMENT

PLA | ABS | FLEXIBLE | DISSOLVABLE

THE IDEAL BUILD MATERIAL FOR  
YOUR MAKERBOT 3D PRINTER.



[MAKERBOT.COM/FILAMENT](https://www.makerbot.com/filament)

# MAKERBOT® FILAMENT

THE IDEAL BUILD MATERIAL FOR YOUR 3D PRINTER

## EXPERIMENT WITH DUAL EXTRUSION

- Optimized to be the best filament for MakerBot Replicator Desktop 3D Printers.
- Every filament color is comprehensively quality tested at both high (100 micron) and medium (200 micron) layer resolutions to verify that the filament will perform every feature that MakerBot MakerWare software offers and will reliably slice and print every type of printing (tight corners, long and short overhangs, floors, ceilings, etc.).
- Every filament color also undergoes long duration testing using a large 3D model that requires 18 – 24 hours of print time to ensure that there are no deviances in print quality.
- Every millimeter of MakerBot Filament has been subjected to stringent laser testing.
  - High viscosity to prevent dripping from the extruder nozzle.
  - Packaged on spools to prevent tangles and “bird nests.”

## MAKERBOT® PLA FILAMENT

- MakerBot PLA Filament is the best, most consistent build material for MakerBot® Replicator® Desktop 3D Printers.
- Bioplastic derived from corn .
- Consistently round diameter – ensures highest print quality and consistent flow through the extruder nozzle.
- Prevents shredding.

## MAKERBOT® ABS FILAMENT

- MakerBot ABS Filament is the best, most consistent, and most tested ABS filament for MakerBot Replicator 2X Experimental 3D Printers.
- Can be used with MakerBot Dissolvable Filament. MakerBot dissolvable filament acts as a solid infill material.

## MAKERBOT® FLEXIBLE FILAMENT

- More flexible than MakerBot PLA filament.
- Creates new opportunities to stretch the limits of 3D printing.
- Reshape and mold your prints.
- MakerBot Flexible Filament is the most flexible filament for MakerBot Replicator 2 Desktop 3D Printers.

## MAKERBOT® DISSOLVABLE FILAMENT

- MakerBot Dissolvable Filament is the best, most consistent, and most tested dissolvable filament for MakerBot Replicator 2X Experimental 3D Printers.
- MakerBot Dissolvable Filament is the best, most consistent, and most tested dissolvable filament for MakerBot Replicator 2X Experimental 3D Printers.
- An excellent dissolvable support structure for MakerBot ABS Filament designed for use as a solid infill material.
- Easily dissolves in limonene bath in just 8-24 hours.

## SPECIFICATIONS

### PLA

TEMPERATURES  
60 - 65° C (140 - 149° F)

MELTING TEMPERATURES  
150 - 160° C (302 - 320° F)

NOZZLE TEMPERATURE  
230° C (446° F)

DIAMETER  
1.75 mm

### ABS

GLASS TEMPERATURE  
105° C (221° F)

MELTING TEMPERATURES  
Amorphous, no “true” melting point

NOZZLE TEMPERATURES  
230° C (446° F)

DIAMETER  
1.75 mm

### FLEXIBLE

GLASS TEMPERATURE  
60° C (140° F)

MELTING TEMPERATURES  
58 - 60° C (136.4 - 140° F)

NOZZLE TEMPERATURES  
100° C (212° F)

DIAMETER  
1.75 mm

### DISSOLVABLE

GLASS TEMPERATURE  
100° C (212° F)

MELTING TEMPERATURES  
160° C (320° F)

NOZZLE TEMPERATURES  
230° C (446° F)

DIAMETER  
1.75 mm