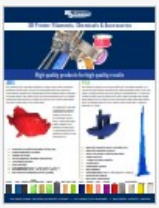
3D Printer Filaments Catalog



Related Resources

- Thingiverse.com
- Makezine.com
- REPRAP Wiki - Print Troubleshooting Pictorial Guide

Training Videos

- 3D Printer Setup - Part 1 - Bed Surfaces
- 3D Printer Setup - Part 2 - Bed Leveling
- 3D Printer Setup - Part 3 - Loading/Unloading Filament

GLOW IN THE DARK

MG Chemicals Glow In The Dark filament has been formulated to provide a lighting effect in the dark by absorbing natural or manmade light.

ABS Version

MG Chemicals ABS Glow in the Dark 3D printing filaments are made of high purity Acrylonitrile Butadiene Styrene pellets with a tight diameter tolerance. It is a normal ABS in which we incorporated a luminescent formula to provide a lighting effect in the dark by absorbing natural or manmade light. They resist higher temperatures and offer great machinability, fl exibility and strength making it the preferred choice of engineers and professionals. ABS plastic can be dissolved and welded in our 434 Acetone making post processing easy

It is important to note that a heated bed printer is required to work with this type of material and because it is petroleum based it emits a slight hazardous odour when heated, making a less desirable for home use. It is recommended that this product be printed in a well ventilated area.

ABS print temperature is 230 °C - 250 °C / 446 °F - 482 °F on a heated bed at 110 °C / 230 °F (These temperatures may vary between printers and colours).

Catalog Number	Color	Size
ABS17GD1	Glow in The Dark Green	1 kg
ABS30GD1	Glow in The Dark Green	1 kg
ABS17SGN1	Super Glow - Natural	1 kg
ABS30SGN1	Super Glow - Natural	1 kg
ABS17SGN5	Super Glow - Natural	.5 kg

PLA Version

MG Chemicals Glow in the Dark Polylactic Acid or Polylactide (PLA) 3D printing filaments are a corn based product made from high purity, high temperature pellets. It is a normal PLA in which we incorporated a luminescent formula to provide a lighting effect in the dark by absorbing natural or manmade light. It does not require a heated print bed and easily adheres to masking tapes. It is very hard, acetone resistant and can achieve faster print speeds and lower layer heights when properly used. The PLA Glow in the Dark print temperature is 180 °C – 230 °C / 356 °F - 446 °F (Temperatures may vary between printers and colours) and if a heated bed is used the bed temperature should be 60 °C / 140 °F. It is the optimal choice for use in homes, schools and makers / hobbyists workshops or studios.

Catalog Number	Color	Size
PLA17GD5	Glow in The Dark Green	0.5 kg
PLA17GD1	Glow in The Dark Green	1 kg
PLA30GD5	Glow in The Dark Green	0.5 kg
PLA30GD1	Super Glow - Natural	1 kg
PLA17SGN5	Super Glow - Natural	0.5 kg




Safety Data Sheet

Select SDS...

Technical Data Sheet

Select TDS...

Related Products

- 434 – Acetone
- MAS100-15 / MAS200-15 – 3D Printing Masking tape
- POL100 / POL200 – 3D printing Polyimide Tape

PLA17SGN1	Super Glow - Natural	1 kg

ABS Features

- High purity Acrylonitrile butadiene styrene (ABS)
- Glows in the dark
- Higher temperature resistance
- Flexible and strong
- Can be welded and smoothed using acetone
- RoHS compliant
- 1.75mm and 2.85mm diameters
- First layer temperature 240 °C / 464 °F
- Print temperature: 230 °C - 250 °C / 446 °F - 482 °F
- Bed temperature: 110 °C / 230 °F
- Bed surface: Polyimide tape or glass
- Offered in 1 kg spools

PLA Features

- High purity Polylactic Acid or Polylactide (PLA)
- Glows in the dark
- Made from renewable resources
- Can achieve faster print times
- Can be used in high resolution applications
- Acetone resistant
- 1.75mm and 2.85mm diameters
- Low Diameter variance
- RoHS compliant
- First layer temperature: 200 °C / 392 °F
- Print temperature: 180 °C – 230 °C / 356 °F - 446 °F
- No heated bed required
- Bed surface: Masking tape
- Offered 0.5 kg and 1 kg spools