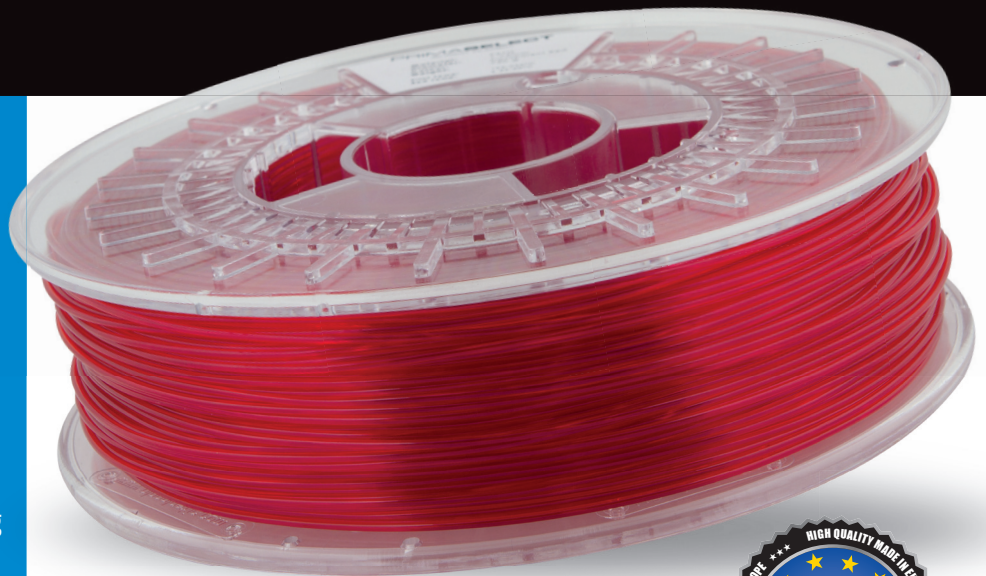# PRIMASELECT™
PET-G

Why should I use PrimaSELECT™ PET-G?

- High clarity prints
- Very easy to print with
- Extremely strong
- Very small chance of warping
- Hydrophobic (Does not absorb water)
- FDA approved
- No unpleasant smell when printing

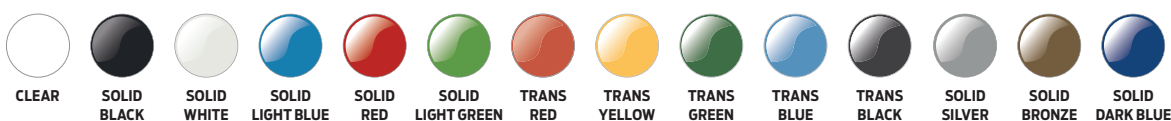* Please see our website for latest options and colors available.

PRIMASELECT™ PET-G

PrimaSELECT™PETG is a new and extremely tough material, it has very high impact strength, good flexibility and practically no shrinkage. PrimaSELECT™PETG is a hydrophobic (does not absorb water) filament with a high gloss. Prima Filaments offers two versions of PETG. Translucent and solid. With the translucent you will have a high gloss and almost completely transparent print depending on your shell count. The solid colors offers a vivid and beautiful surface with a high gloss finish.

PrimaSELECT™PETG is a glycol modified PET which means that it has even higher clarity, stiffness and toughness than regular PET. Like all filaments from Prima Filaments the PETG is based on the RAL color system which ensures you that you will get the same color on your spool every time you order. PrimaSELECT™PETG comes in a wide range of beautiful and vivid colors, both as translucent and as solid.

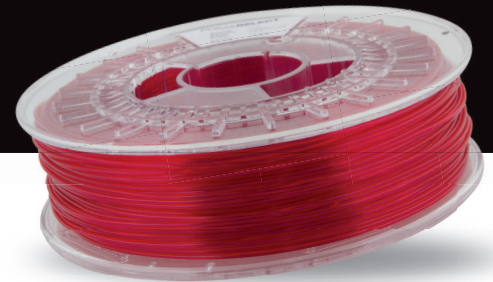## COLORS AVAILABLE

| CLEAR | SOLID BLACK | SOLID WHITE | SOLID LIGHT BLUE | SOLID RED | SOLID LIGHT GREEN | TRANS RED | TRANS YELLOW | TRANS GREEN | TRANS BLUE | TRANS BLACK | SOLID SILVER | SOLID BRONZE | SOLID DARK BLUE |

PRIMA
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PRIMASELECT™
PET-G

INFORMATION:

PrimaSELECT™PETG is the perfect addition for you filament collection. It has many unique features which makes it one of the most versatile filaments in our portfolio. Regardless of what your print is, PrimaSELECT™PETG will deliver. You can make beautiful prints in "vase mode" with more than 90% light transmission and almost no haze. If you are looking for a very tough filament with high impact strength and some flexibility this is your choice. Another great benefit with PrimaSELECT™PETG is the fact that it is FDA approved for both food contact and storage. PrimaSELECT™PETG doesn´t release any toxic or irritating fumes when printing. You will discover that PrimaSELECT™PETG is very easy to use and shows no signs of warping or excessive stringing even if you have a larger flat surface.

Tip: experiment with speed and heat to get various results when it comes to surface finish and transparency.

PrimaSELECT™PETG has very good interlayer adhesion which makes it extremely easy to print with. You don´t need a heated build plate, but if you have it we suggest that you use a temperature around 45-60 ºC

PrimaSELECT™PETG sticks on BuildTak or glass plate coated with adhesive spray or glue stick.

PrimaSELECT™PETG is reeled on a transparent spool with 750 g of high quality filament. It´s packed in a sturdy box and packed with silica gel to avoid moister.

PrimaSELECT™PETG are available in diameter sizes of 1.75 mm and 2.85 mm.

Our state of the art factory is equipped with the latest in laser measuring technology to ensure that you will receive a spool of filament with a very tight diameter and roundness tolerance. This in turn makes for a filament that is compatible with most common printers on the market today.

Dimensions

Size:	Ø tolerance	Roundness
1,75 mm	±0,05 mm	≥ 95 %
2,85 mm	±0,10 mm	≥ 95 %

Physical properties

Description:	Testmethod	Typical value
Specific gravity	ASTM D792	1,27 g/cc
Mold shrinkage	ASTM D955	0,2-0,5 %
Tensile strengthn@yield	ASTM D638	50 MPa
Elongation at break	ASTM D638	120 %
Flexural modulus	ASTM D790	2150 MPa
Impact strength Izod Notched 23 ºC	ASTM D256	85 J/m
Rockwell Hardness	ASTM D785	105
Moisture absorption	ASTM D570	0,13 %

Thermal properties

Description:	Testmethod	Typical value
Printing temp.	-	195-235 ºC
Heat Distortion T.	ASTM D648	70 ºC
Light Transmittance	ASTM D1003	90%

Reseller:

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