

ees 3D

PRIMASELECT™ HIPS

Why should I use PrimaSELECT™ HIPS?

- Perfect for usage as support material - solvable in D'limonene
- Very high impact resistance
- Good for very detailed prints
- Perfect for large prints with a matt finish
- Limited warping
- Easy to print



PRIMASELECT™ HIPS

PrimaSELECT™ HIPS (High Impact Polystyrene) is a filament usually associated with ABS in the role of support material as it dissolves in D'limonene. HIPS is a very good filament on its own and you can make stunning prints with a beautiful matt surface finish.

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

COLORS AVAILABLE



NATURAL

BLACK

WHITE



PRIMASELECT™ HIPS

INFORMATION:

PrimaSELECT™ HIPS has much more to offer as a truly high quality print material and not just as a support material. High Impact Polystyrene, as the name suggests, is a sturdy and reliable filament that is widely used among hobby enthusiasts to create models of different sizes. It has limited warping, almost no shrinkage and are very easy to glue together with other parts. You can use ordinary super glue and it's also perfect if you want to sand and paint your model.

PrimaSELECT™ HIPS has a very beautiful matt surface when your print is done and combined with the range of colors you are guaranteed to get stunning results.

PrimaSELECT™ HIPS is very light and durable thermoplastic and is also very resistant to various acids. HIPS is one of the most used plastics in the world and you can see it in CD and DVD cases and also in different food packing containers.

When printing with PrimaSELECT™ HIPS we recommend that you use a heated bed. Set your heat bed to 90-110 °C for best results.

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

PrimaSELECT™ HIPS 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 moisture.

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



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	ISO 1183	1,04 g/cc
MFR 200 °C/5 kg	ISO 1133	3,4 cm ³ /10 min
Tensile stress	ISO 527	22 Mpa
Elongation at break (MD)	-	50 %
Tensile modulus	ISO 527	1550 Mpa
Impact strength Izod method 23 °C	ISO 179	15 KJ/m ²

THERMAL PROPERTIES

Description:	Testmethod	Typical value
Printing temp	-	220-270 °C
Melting temp	ISO 294	220 °C ± 40 °C
Vicat softening temp	ASTMD1525	±89 °C

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.