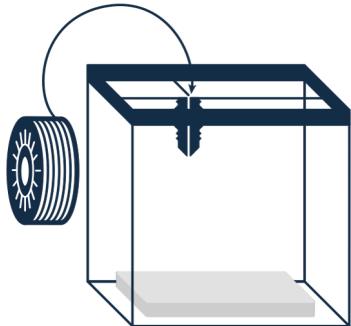
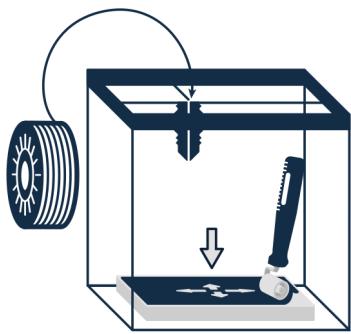


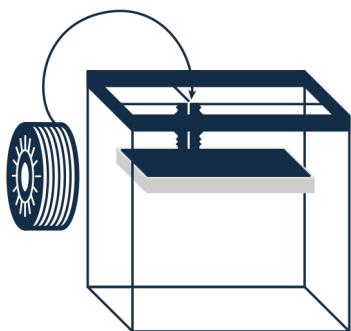
# How to use *P-TPO 835 flex*



- 1 Place *P-TPO 835 flex* into your 3D printer. Use perfluorinated tubes and do not use a resistance in the tube such as hard-running filament trackers. For complex geometries you have to use *P-support 279*. It is not required to dry both filaments prior to use.



- 2 Place *P-surface 141* with the PPprint logo upwards on your printer bed and fix it with gentle pressure using the *P-roller 621*. You have also the option to adhere *P-surface 141* to your printer bed by using *P-adhesive 220*.



- 3 Recalibrate your printing platform, heat up the extruder temperature to **230 °C**, and start printing. To remove the finished part without destruction, the printer bed has to be heated to about **110 °C**.

## Recommended printing parameters

<b>3D printing surface</b>	<i>P-surface 141</i>	
<b>Extruder temperature</b>	200–240 °C	
<b>Printing bed temperature</b>	During the first layer	70–80 °C
	During 3D printing	20 °C
	Removal of printed parts	about 110 °C
<b>Heated 3D printing chamber</b>	Not required	

# Your **specialist** for 3 D printing with **polypropylene (PP)**



Our P-TPO 835 belongs to the group of thermoplastic polyolefins and is a mixture of PP and a non-crosslinked elastomer. P-TPO 835 is characterized by good chemical resistance to acids, bases and ozone, and high impact resistance and low density.

P-TPO 835 offers increased toughness and durability over the conventional PP copolymers, and is used in industrial applications such as automotive bumpers, dashboards, door panels, seating, plugs in consumer electronics, and soft, comfortable items in consumer goods such as toothbrushes, toys, and shoe soles.

## Advantages of P-TPO 835 flex



break resistant



flexible



light weight



recyclable



chemical resistant



no absorption  
of water



immediately  
3D printable



homogeneously  
colorable



appealing  
surface quality



breakaway  
support material



certified  
biological safety



sterilizable



withstands  
up to 100 °C



weldable  
with PP



dishwasher safe