RAISE3D®

PEI Build Plate - Filament Compatibility Chart

Filament	Is PEI Build Plate recommended?	Is glue required when printing with PEI Build Plate?	Do current slicing profiles in ideaMaker require adjustment when printing with PEI Build Plate?	What build plate is recommended, if not PEI Build Plate?
Raise3D Hyper Core ABS CF15	Yes	No	No	
Raise3D Hyper Core PPA CF25	Yes	No	No	
Raise3D Hyper Core PPA GF25	Yes	No	No	
Raise3D Hyper Speed PLA	Yes	No	No	
Raise3D Hyper Speed ABS	Yes	No	No	
Raise3D Hyper Speed ABS V2	Yes	No	No	
Raise3D Industrial PA12 CF+	Yes	No	No	
Raise3D Industrial PA12 CF Support	Yes	No	No	
Raise3D Industrial PPA CF	Yes	No	No	
Raise3D Industrial PPA GF	Yes	No	No	
Raise3D Industrial PPA Support	Yes	No	No	
Raise3D Industrial PET CF	Yes	Yes	No	
Raise3D Industrial PET GF	Yes	No	No	
Raise3D Industrial PET Support	Yes	No	No	
Raise3D Industrial PETG ESD	No	Yes	No	Build Plate with BuildTak Printing Surface
Raise3D Premium PLA	Yes	No	No	
Raise3D Premium ABS	Yes	No	No	
Raise3D Premium ASA	Yes	No	No	
Raise3D Premium PC	Yes	No	No	
Raise3D Premium PETG	Yes	No	No	
Raise3D Premium TPU-95A	Yes	No	No	
Raise3D Premium PVA+	Yes	No	No	

1. For the filaments that require glue when printing with PEI Build Plate, it's recommended to use the following glue options: 3D Printer Glue Sticks PVP Solid Glue Sticks for 3D Printer Hot Bed Removing Printing Models, Deli PVP Glue Stick.

2. For the filaments that don't require glue when printing with PEI Build Plate, using glue can improve the first layer bonding.

3. For recommended Nozzle Temperature and Bed Temperature, please refer to the slicing profiles in ideaMaker.

4. When printing PETG, or a composite material with PETG as the base material, using a PEI Build Plate, the adhesion is relatively weak.