Printables by JOSEF PRUSA

HueForge Stained Glass Rose

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VIEW IN BROWSER

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Summary

A HueForge Lithophane Blending Type and an AI created image to make this “stained glass" Rose print in TWO parts.

Art & Design > 2D Plates & Logos

Tags: art 2dart 3dart hueforge hueforged hueforgeart

I used HueForge Lithophane Blending Type and an AI created image to make this “stained glass" Rose print in TWO parts. The first part has blues of the foreground. It also makes the area of the rose blossom transparent to improve the vibrancy of the rose. The second part provides the reds and yellows for the background. The image halves are tailored to yield green leaves, though no green filament is required for either half of the model.

Both parts have very thin base layers, so special care is needed to remove them from the print bed. This is especially true for the front part, which has a hole in the middle where it is transparent. It is probably best to cool them completely before trying.

When joining the two parts be sparing with the adhesive, especially in the lighter parts. The adhesive will change the colors if it is not behind the darker parts. I just used some around the black parts and around the very edge to keep the glue from showing. If spread thin and uniformly, it should not show too much.

Part 1

Project: Rose_Part_1_v5.hfp
Print at 100% infill with a layer height of 0.08mm with a base layer of 0.16mm

The Model is 150x153.52mm in size
You may print at higher layer heights below the Min Depth of 0.16mm
The Max Depth is 0.88mm and the Actual Depth is 0.8mm

Filaments Used:
PLA PolyLite Natural Transmission Distance: > 20
PLA Overture Blue Transmission Distance: 4.2
PLA HueForge Navy Blue 2.2 Transmission Distance: 4
This print uses 3 unique filaments

Swap Instructions:
Start with Natural
At layer #2 (0.24mm) swap to Blue
At layer #7 (0.64mm) swap to Navy Blue 2.2 for the rest.

Part 2

Project: Rose_Part_2_v5.hfp
Print at 100% infill with a layer height of 0.08mm with a base layer of 0.16mm

The Model is 150x153.52mm in size
You may print at higher layer heights below the Min Depth of 0.16mm
The Max Depth is 0.96mm and the Actual Depth is 1mm

Filaments Used:
PLA PolyLite Natural Transmission Distance: > 20
PLA PolyLite Lemon Yellow Transmission Distance: 6.5
PLA Overture Red Transmission Distance: 4.8
PLA PolyTerra Army Red Transmission Distance: 0.3
This print uses 4 unique filaments

Swap Instructions:
Start with Natural
At layer #2 (0.24mm) swap to Lemon Yellow
At layer #4 (0.4mm) swap to Red
At layer #9 (0.8mm) swap to Army Red for the rest.

If substituting filaments, pick ones with the closest TD values. Use a Natural white, if possible. Otherwise, pick the one with a TD > 10 to minimize the color change it will cause.

Model files

rose_part_1_v5_150x154.stl

Rose Front Part, 1 of 2

rose_part_2_v5_150x154.stl

Rose rear part, 2 of 2

Other files

rose_part_2_v5_describe.txt

Part 1 filament swap description

rose_part_1_v5_describe.txt

Part 2 filament swap description

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