Crowd Review and Rating Standard

Material:
Date of receiving material:
3D Printer used for testing:
Tester name and surname:
3Drintmaterials.guru tester number:

Technical parameters/specification

Please enter the printer settings (before starting the print) below:

Printing number	**1**	**2**	**3**	**4***	**5***
◆ *Nozzle diameter (mm)*					
◆ *Layer thickness (mm)*					

	1	2	3	4*	5*
◆ *Printing speed (mm/s)*					
◆ *Travel speed/rate (mm/s)*					
◆ *Retraction (mm/s)*					
◆ *Retraction distance (mm)*					

	1	2	3	4*	5*
◆ *Extruder temperature (C^o)*					
◆ *Platform temperature (C^o)*					
◆ *Cooling (On/Off)*					

	1	2	3	4*	5*
◆ *Platform adhesion type:*					
Brim (yes/no)					
Raft (yes/no)					

	1	2	3	4*	5*
◆ *Platform type*					
◆ *Adhesion enhancers used*					
◆ *Slicer used*					

◆ *Notes:*	1	2	3	4*	5*

Visual evaluation

Please make visual evaluation of printed part by answering yes/no; by evaluating in scale from 1 to 5 where 5 is the best or by answering the question textually. Please make the evaluation 15-20 minutes after finishing the print job to allow the part to cool.

Printing number	**1**	**2**	**3**	**4***	**5***
◆*Evaluate the degree of part's separation from printing platform (1- completely separated; 5- part did not get separated)*	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5
◆ *Evaluate the part's warp from the platform*	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5
◆ *Evaluate the degree of warp in other sections of the part (1- part does not match the blueprint; 5- warp was not observed)*	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5

	1	2	3	4*	5*
◆ *Quality of ship deck and bridge roof (1- surface is not closed, unsatisfactory; 5- perfectly closed surface)*	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5
◆ *Quality of ship sides and bridge walls (1- surfaces are not even, unsatisfactory; 5- perfectly even surfaces)*	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5
◆ *Quality of part's bottom surface –not taking into account warp (1 – surface is not closed, unsatisfactory; 5 – perfectly closed surface)*	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5
◆ *Presence of unnecessary artifacts on the surface – hanging threads, artifacts, cavities (1 – many artifacts on the surface; 5 – perfectly clean surface – no artifacts)*	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5

	1	2	3	4*	5*
◆ *Round back window diameter (measuring mm vertically)*					
◆ *Number of threads in back window that have sagged loose (approximate number)*					
◆ *Overall quality of back window (1 – unsatisfactory; 5 – successful with minimum sagging threads)*	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5
◆ *Front window height (measuring mm vertically)*					
◆ *Number of threads in front window that have sagged loose (approximate number)*					
◆ *Overall quality of front window (1 – unsatisfactory; 5 – successful with minimal sagging threads)*	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5

	1	2	3	4*	5*
◆ Overall ship length (mm)					
◆ Overall ship height (mm)					
◆ Overall q*uality of ship railing (1- unsatisfactory; 5 – successful)*	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5
◆ *Overall quality of box behind the cabin (1- unsatisfactory; 5 – successful)*	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5
◆ *Chimney outside diameter (mm)*					
◆ *Chimney side straightness (1- not straight with significant curve; 5 – completely straight wall)*	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5
◆ *Chimney overall quality (1- unsatisfactory; 5-successful)*	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5
◆ *Roof overhang quality (1- unsatisfactory; 5-successful)*	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5
◆ *Cylinder shape surface quality (1 – surface is not filled, unsatisfactory; 5 – surface completely filled)*	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5
◆ *Inscription on nameplate at the back of the ship (1-inscription not readable, poorly parted ; 5 – inscription completely readable)*	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5
◆ *Quality of the logo on the bottom surface of ship(1 – logo not clear and not recognizable; 5 logo successful and perfectly recognizable)*	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5
Evaluation of overall print quality (1 – unsatisfactory; 5 – successful)	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5

Evaluation of material characteristics

Question	***Answer***
◆ *Please evaluate how was working with this material compared with other materials (1 - very hard, 5 – considerably easier)*	1 2 3 4 5
◆ *Which of the technical parameters had the biggest influence on material printing quality?*	
◆ *To what extent printing speed influenced printing quality? (1- speed had considerable influence on quality; 5- speed had no influence on quality)*	1 2 3 4 5
◆ *Please name what you believe are the 3 most evident characteristics of this material (tough, fragile, elastic, solid, soft, other – name them)*	
◆ *Describe material smell during the printing process*	
◆ *Describe material surface characteristics by physically feeling and evaluating the part.*	
◆ *How easy is this material to polish (with sandpaper, file or other)(1- very hard, 5- easy)?*	1 2 3 4 5
◆ *Please note what tool was used for polish test?*	
◆ *Can this material be glued?(Yes/No)*	
◆ *If yes, please note what sort of solvent, glue was used?*	