

OCEANZ VAPOR POLISH

High quality smoothing of parts produced by Selective Laser Sintering

3D printed parts manufactured by Oceanz can be post-processed to obtain a high quality end product. One of the available options is vapor polish. During this smoothing process the part is hanged in a vacuum process chamber. A solvent is introduced that slightly dissolves the part surface. This smoothens and seals the part surface. After smoothing, the solvent evaporates, leaving the original material properties intact. The technology is therefore skin- and food safe.

Vapor polish is available for Oceanz PA12, PA11 Blue, GREY, TPU and PA11 and can be combined with colouring.



Process guidelines

Process chamber	550 x 350 x 300 mm
Design rules	Wall thickness of minimum 1.5 mm Details / text need a minimum height or depth of 0.50 mm Internal holes / channels need a minimum diameter of 8 mm to be processed
Part quality	Improved air- and watertightness Improved surface roughness
Food safe	Oceanz PA12 and Oceanz PA11 Blue
Skin safe	Oceanz PA12, Oceanz PA11 and Oceanz TPU

Parts need to be hanged to be processed. This might leave a small mark on the part. In rigid materials this is nearly invisible, but in TPU it will be visible.

Large variation in wall thickness within a part (≥ 4.0 mm) might result in different level of smoothing.

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