Development of Packed Structures of Absorption Apparatus with Predicted Pore Geometry

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Abstract: The use of porous structures in packed devices of gas cleaning equipment is considered. A description of the parameters required for the study of a porous material is given. Using the Autodesk Fusion 360 program, a porous structure of the gyroid type was modeled. The results of calculating the characteristics of the resulting structure are presented and compared with known porous materials. A model of a gyroid was created by 3D printing, PLA plastic was used as a material.