

Institute of Chemical Engineering

Adres artykułu: <http://sportal2.lo.pl/en/article/morphological-characteristics-and-transport-coefficients-for-reticulated-vitreous-carbon-rvc-foams>

Morphological characteristics and transport coefficients for reticulated vitreous carbon (RVC) foams

Publication date:	30.12.2014
Publication title:	Morphological characteristics and transport coefficients for reticulated vitreous carbon (RVC) foams
Authors:	Anna Gancarczyk , Marzena Iwaniszyn , Andrzej Kołodziej , Marcin Piątek , Mieczysław Jaroszyński , Bożena Janus , Tadeusz Kleszcz , Joanna Kryca , Franciszek Owczarek , Roman Pędrys
Journal information:	Prace Naukowe Instytutu Inżynierii Chemicznej Polskiej Akademii Nauk
Tags:	reticulated vitreous carbon foams , computed tomography , heat and mass transport

Abstract: In this paper, the morphological parameters and transport coefficients are studied for the reticulated vitreous carbon (RVC) foams of pore density 30 and 80 PPI. SkyScan 1172 X-ray microtomograph was used to study the foam structure. Heat transfer coefficients were determined by foam heating by electric current flowing directly through it. Mass transfer coefficients were determined based on the Chilton-Colburn analogy.

Attachments:

[Zeszyt-18-2014](#) pdf, 6.25 MB

Created at:	04.08.2025
Published by:	Artur Wojdyła
Published at:	04.08.2025 12:47
Number of downloads:	23

Tagi: reticulated vitrous carbon foams, computed tomography, heat and mass transport

Metryczka

Published by:	Artur Wojdyła
Published at:	18.09.2025 14:02
Number of views:	19