Institute of Chemical Engineering

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

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Abstract: In this paper, the morphological parameters and transport coefficients are studied for the reticulated vit-reous carbon (RVC) foams of pore density 30 and 80 PPI. SkySkan 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 analo-gy.

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