

Abstract Submitted
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Flow of colloidal gels through constrictions JACINTA CONRAD,
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cal microscopy to investigate the flow behavior of colloidal gels through constrictions
of varying geometry. We flow suspensions of attractive silica colloids through mi-
crochannels containing a single constriction point. As the colloid volume fraction is
increased, the colloids in the microchannels jam and form a clog. Here we investigate
the flow properties and the clogging as a function of applied pressure, microchannel
geometry, and the colloid volume fraction.

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