

Abstract Submitted
for the DFD10 Meeting of
The American Physical Society

Flow of wormlike micelles in confined geometry NICOLAS LOUVET, CHLOÉ MASSELON, ANNIE COLIN, Rhodia - Laboratory of the Future — We study wormlike micelles flowing in confined geometry to study the local rheology of such fluids. Experiments show that the properties of such fluids undergoing a strong shear stress gradient can only be described by an equation including non-local terms. Then the flow of very long wormlike micelles is studied both in microfluidic channel and in Couette geometry coupling with ultrasonic velocimetry.

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Date submitted: 05 Aug 2010

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