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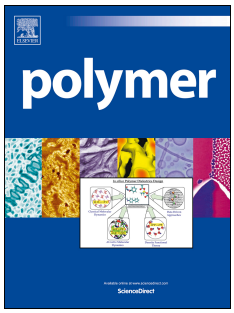

Perfluoroalkyl end-functionalized polystyrene show lower glass transition temperatures. DSC and optical transmission studies

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PII: S0032-3861(18)30080-6

DOI: 10.1016/j.polymer.2018.01.061

Reference: JPOL 20321

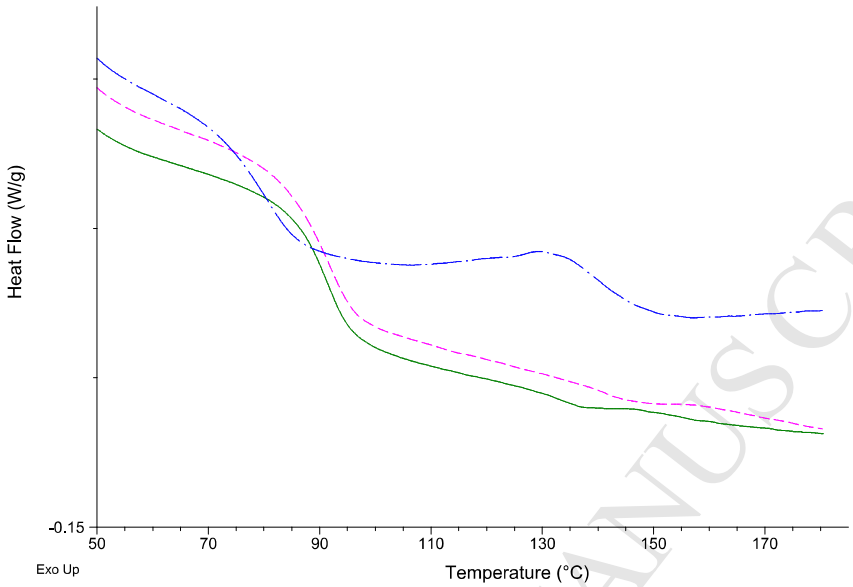
To appear in: *Polymer*

Received Date: 24 March 2017

Revised Date: 12 January 2018

Accepted Date: 22 January 2018

Please cite this article as: Yurdacan HM, Li X, Nutt S, Hogen-Esch TE, Perfluoroalkyl end-functionalized polystyrene show lower glass transition temperatures. DSC and optical transmission studies, *Polymer* (2018), doi: 10.1016/j.polymer.2018.01.061.



DSC thermograms of PSC13 polymers with varying molecular weights. PSC13- 10k(Blue), PSC13-15k (Green), PSC13-30k(Pink). The data indicate decreases in glass-transition temperature that increase with increasing perfluorocarbon concentrations and chain lengths. The presence of an endotherm at 130 ^{0}C hints at semicrystalline behavior in the case of PSC13-10k only.