

Supplementary information

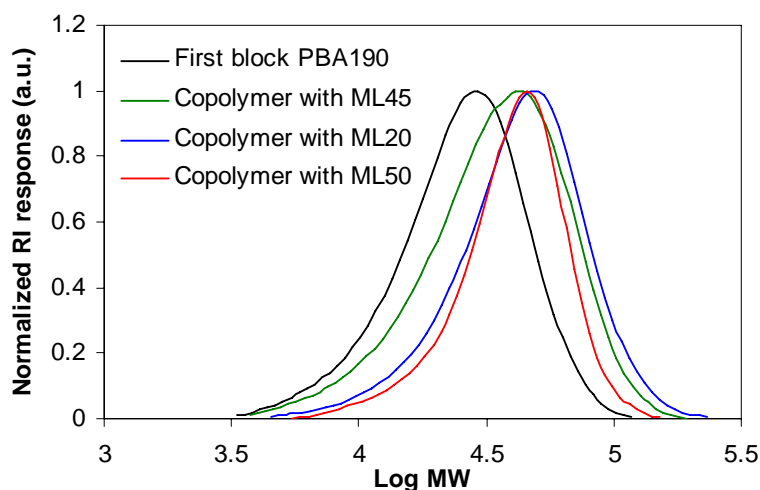
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**Influence of micromixer characteristics on polydispersity index of block copolymers synthesized in continuous flow microreactors**

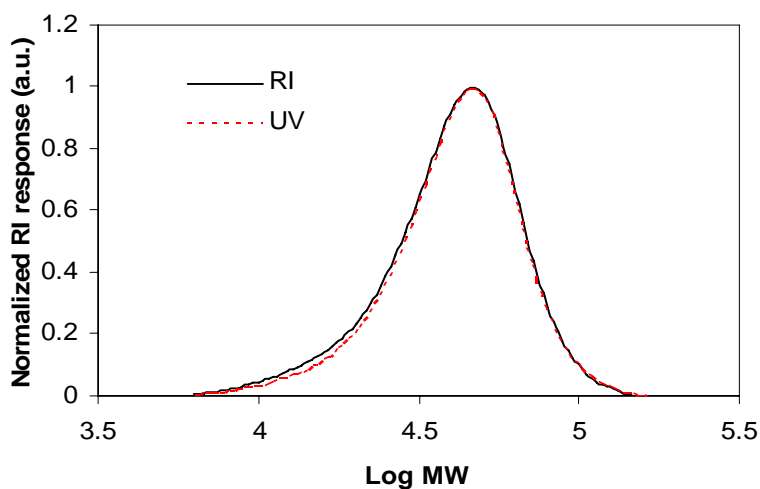
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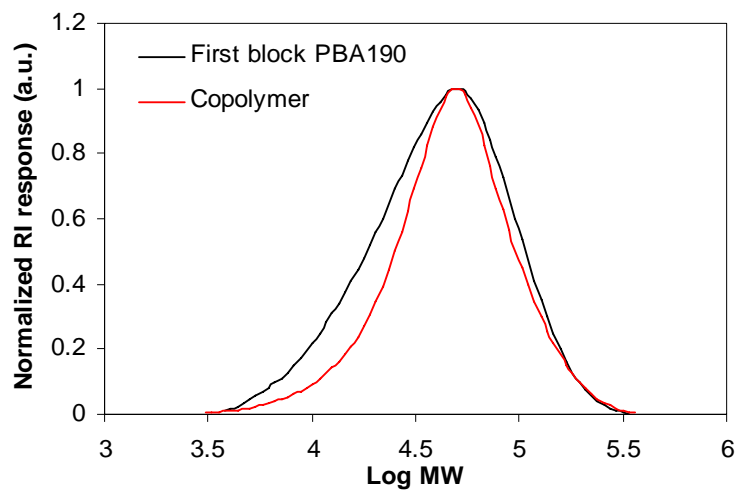
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**Figure S1.** SEC traces of the first block solution PBA190 and corresponding PBA-*b*-PS block copolymers obtained in continuous flow with the different micromixers (data shown in Table 2 – Entry 1 and Table 3 – Entries 1 to 3).



**Figure S2.** Comparison of molecular weight distributions from RI and UV detection by SEC of the PBA-*b*-PS block copolymer obtained in continuous flow microreactors with the ML50 micromixer (Entry 3 in Table 3)



**Figure S3.** SEC traces of the first block solution PBA190 and corresponding PBA-*b*-PS block copolymers obtained in a batch reactor (reference 7).