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Title: Fluorosilicone multi-block copolymers tethering quaternary ammonium salt groups for antimicrobial purpose

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## ACCEPTED MANUSCRIPT

## Highlights

- 1. QAS-containing fluorosilicone multi-block copolymers were synthesized.
- 2. The block length of PHFBMA in the copolymers was tailored via RAFT polymerization.
- 3. Surface roughness of the copolymers decreased with the increased PHFBMA content.
- 4. A certain length of PHFBMA block enhanced C-N<sup>+</sup> percentage on the surface.

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