

Electronic Supplementary Material

**United atom and coarse grained models for crosslinked polydimethylsiloxane
with applications to the rheology of silicone fluids**

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Section S1: Potential Energy Functions for Covalent Terms in Coarse Grain Model

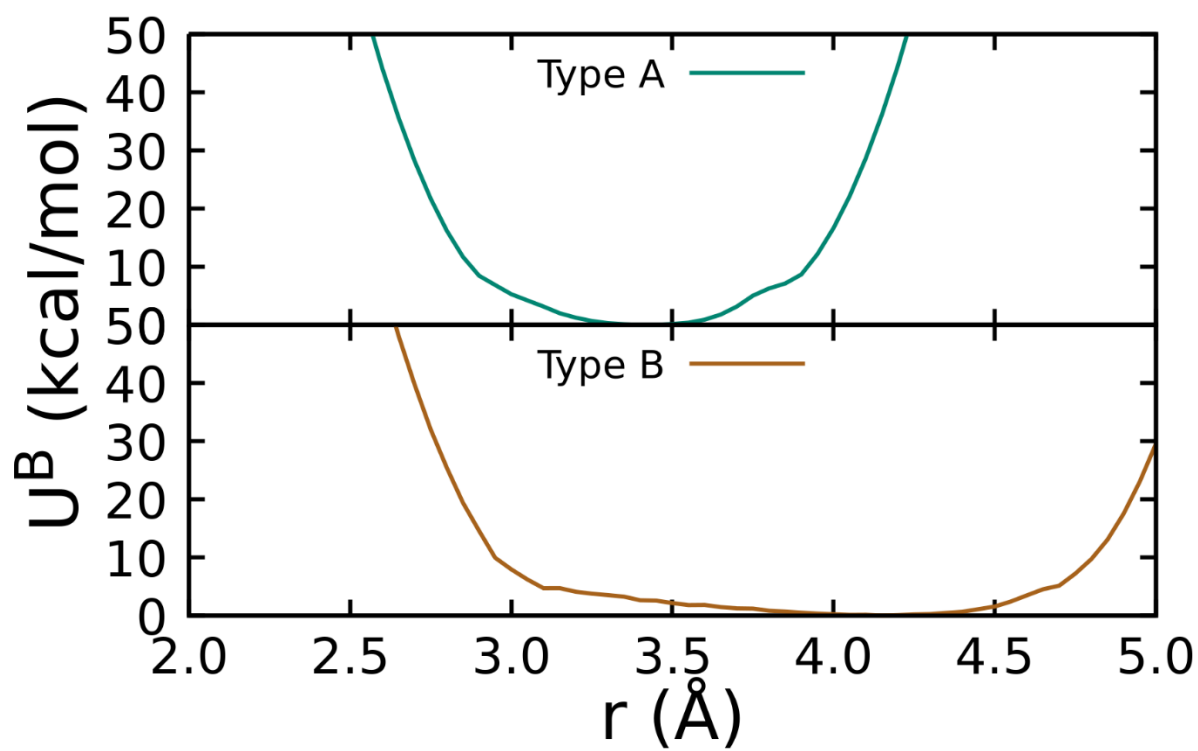


Figure S1. Potential energy functions for bonds in the coarse grain model. See Table 3 in the main text for type definitions.

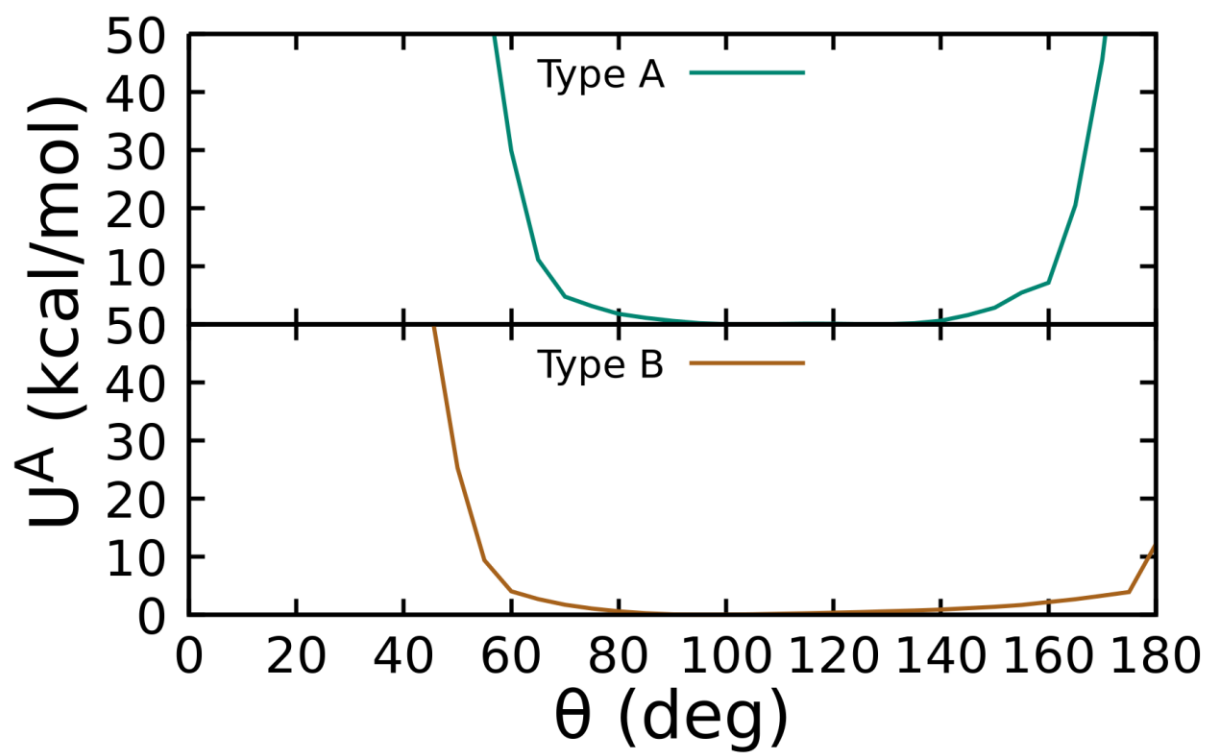


Figure S2. Potential energy functions for angles in the coarse grain model. See Table 3 in the main text for type definitions.

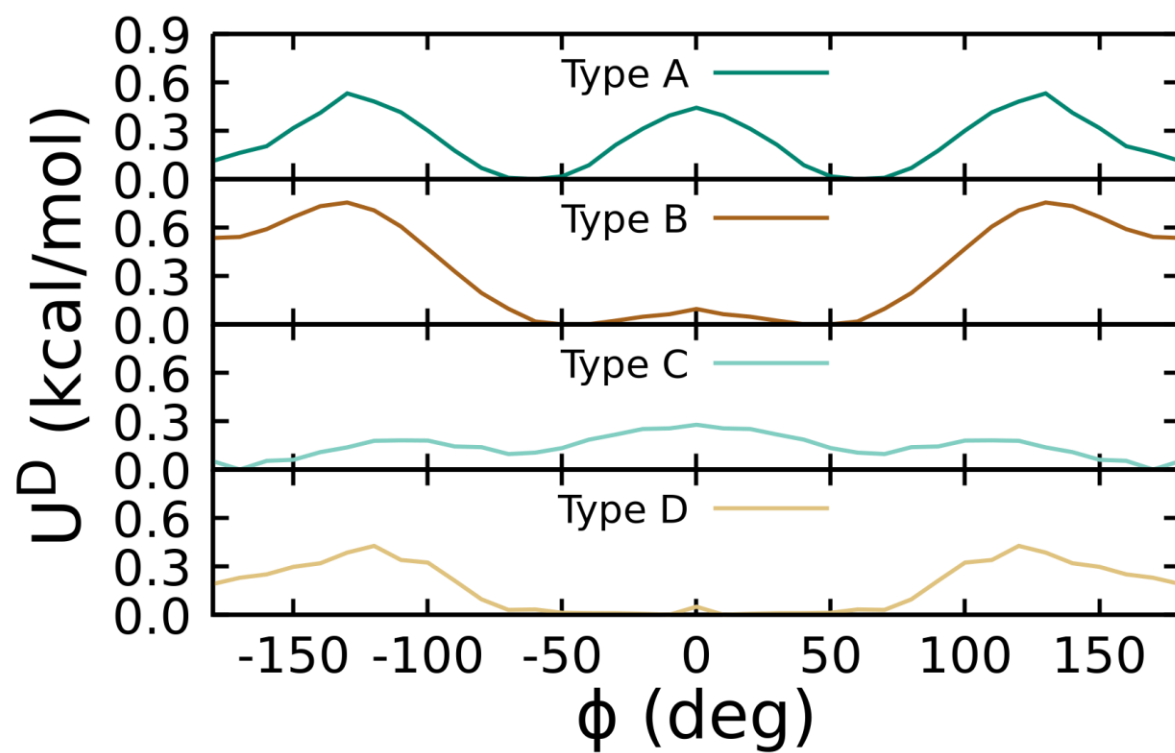


Figure S3. Potential energy functions for dihedrals in the coarse grain model. See Table 3 in the main text for type definitions.