

POLYISOBUTENYL SULFONATES HAVING LOW POLYDISPERSITY

ABSTRACT

The present invention provides for polyisobutenyl sulfonates, methods for preparing them, and composition employing them; wherein said polyisobutenyl sulfonates have
5 improved low temperature and high temperature viscometric properties. The polyisobutenyl sulfonates are prepared by sulfonating polyisobutene and reacting the polyisobutenyl sulfonate with an alkali metal or alkaline earth metal, wherein the polyisobutene is characterized by having at least 90 mole percent methyl-vinylidene, a number average molecular weight of about 350 to 5,000, and a ratio of weight average
10 molecular weight to number average molecular weight M_w/M_n of from about 1.01 to about 1.4.

(No suitable figure)