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Olygodimethylsiloxanes containing grafted methoxycarbonyldecyl groups

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Abstract

The model oligodimethylsiloxanes with long chain organic side-groups containing the terminally aliphatic carboxylic ester have been obtained. The structure of these oligomers has been confirmed by ¹H and ²⁹Si NMR spectra. The influence of the content of substituents on the variation of thermo physical properties has been established by differential scanning calorimetry.