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(54) Title: BIOLOGICAL POLYSILOXANES

(57) Abstract: The present invention relates to a macromonomer having a polydimethylsiloxane backbone that has a mol% dimethyl siloxanes, b mol% siloxanes substituted with -K-RIM, c mol% siloxanes substituted with -K-RIM-Z and d mol% siloxanes substituted with -L-Z, and in which the terminal siloxane groups are tri-substituted with R, wherein RIM is a refractive index modifying group; Z is a free radically polymerisable group; K is a spacer group; L is optional and is a spacer group; each R is independently selected from an RIM, a lower alkyl group, hydrogen or Z; and a is a molar percentage of the macromonomer which is in the range of from 0 to 95 mol %; b is a molar percentage of the macromonomer which is in the range of from 5 to 99 mol %; c is a molar percentage of the macromonomer which is in the range of from 0 to 2 mol %; and d is a molar percentage of the macromonomer which is in the range of from 0 to 2 mol %; with the proviso that c and d are not both 0 mol %.

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