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(54) Title: POLY(METH)ACRYLAT IMPACT MODIFIER WITH REDUCED METAL ION CONTENT AND METHOD FOR ITS PRODUCTION

(57) Abstract: The present invention is directed to poly(meth)acrylate impact modifiers comprising at least one multiphase alkyl (meth)acrylate emulsion polymer, wherein the impact modifiers have a reduced and particular low amount of cationic metal ions, in particular a very low concentration of alkali metal ions, such as sodium. The impact modifiers according to the present invention comprises less than or equal to 4.5 mmol/kg, based on the solid content of the impact modifier, of alkali metal ions. The impact modifiers or moulding composition produced thereof have improved optical properties, in particular high transparency after hot water storage.

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