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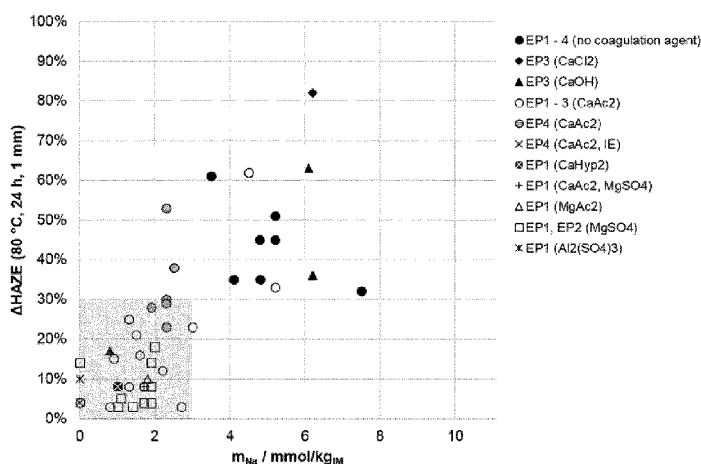
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(54) Title: POLY(METH)ACRYLAT IMPACT MODIFIER WITH IMPROVED OPTICAL PROPERTIES AND METHOD FOR ITS PRODUCTION

Fig. 1



(57) Abstract: The present invention is directed to poly(meth)acrylate impact modifiers comprising at least one multiphase alkyl (meth)acrylate emulsion polymer comprising at least one multivalent metal ion, for example selected from alkaline earth metal, zinc and aluminium, and a defined amount of alkali metal ions, wherein the impact modifiers or moulding composition produced thereof have improved optical properties, in particular high transparency after hot water storage. The impact modifiers comprise less than or equal to 3.0 mmol/kg, based on the solid content of the impact modifier, of alkali metal ions, and exhibit a molar ratio of alkali ions to multivalent metal ions of less than or equal to 1.3.

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