Title (en)

ELASTIC (METH)ACRYLATE COMPOSITION

Title (de)

ELASTISCHE (METH)ACRYLATZUSAMMENSETZUNG

Title (fr)

COMPOSITION DE (MÉTH)ACRYLATE ÉLASTIQUE

Publication

EP 2158236 A1 20100303 (DE)

Application

EP 08708185 A 20080125

Priority

- EP 2008050846 W 20080125
- EP 07110298 A 20070614
- EP 08708185 A 20080125

Abstract (en)

[origin: EP2003153A1] Composition comprises: at least a monomer (A) of methyl methacrylate, tetrahydrofurfuryl methacrylate (both preferred), cyclohexyl methacrylate, isobornyl methacrylate and trimethyl cyclohexyl methacrylate; more than 0-10 wt.% of a comonomer (B), preferably ethylhexyl acrylate or maleic acid diallyl ester; at least an elastomer component (C), where the amount of the components (A)-(C) is 50 wt.%. Composition comprises: at least a monomer (A) of methyl methacrylate, tetrahydrofurfuryl methacrylate (both preferred), cyclohexyl methacrylate, isobornyl methacrylate and trimethyl cyclohexyl methacrylate; more than 0-10 wt.% of a comonomer (B), preferably ethylhexyl acrylate or maleic acid diallyl ester; at least an elastomer component (C), which is an alkene-carbonyl compound of formula (CH 2=C(R)-C(=O)-Y 1>-X-Y 1>-C(=O)-C(R)=CH 2), where: the amount of the components (A)-(C) is 50 wt.%; and the weight ratio of (A) to sum of (B) and (C) is: 0.5:1-1.2:1, when (A) is methyl methacrylate, 0.6:1-3.2:1, when (A) is tetrahydrofurfuryl methacrylate, 0.5:1-2:1, when (A) is cyclohexyl methacrylate, 0.5:1-1.5:1, when (A) is isobornyl methacrylate, 0.5:1-2:1, when (A) is trimethyl cyclohexyl methacrylate. R : H or CH 3; X : a polymeric polyol after removing two OH groups; Y 1>O or NR1a; and R1a : hydrocarbon or H (preferred). Independent claims are included for: (1) a package comprising a package with two different chambers and packed goods, which represents a two component composition, where: one chamber contains a first component (K1) comprising the above components, which exhibit radically polymerizable groups and the another chamber contains a second component (K2) comprising at least a radical former; (2) a process for adhering substrates (S1) and (S2) comprising either (a) applying the composition on the substrate (S1), and (b) contacting the applied composition with the second substrate (S2) within the open time, or (a1) applying the composition on the substrate (S1), (b1) applying the composition on the substrate (S2); and (c1) adhering the composition applied substrates (S1) and (S2) within the open time, where: the first and second substrate is from same or different materials, and before the step (a), (a1) and/or (b1) in the case of the two component composition, partial mixing of the two components takes place; (3) sealing or coating the substrate (S1) comprising applying the composition on a substrate (S1) and hardening the composition; and (4) a hardened composition obtained by hardening the composition.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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