

Title (en)

SINGLE-COMPONENT, ADHESIVE, SILICON ELASTOMER COMPOSITION WHICH CAN BE CROSSLINKED BY POLYADDITION

Title (de)

DURCH POLYADDITION VERNETZBARE ELASTOMERE , KLEBENDE EINKOMPONENT -SILOXANZUSAMMENSETZUNG

Title (fr)

COMPOSITION ELASTOMERE SILICONE, ADHESIVE, MONOCOMPOSANTE ET RETICULABLE PAR POLYADDITION

Publication

EP 1567593 A1 20050831 (FR)

Application

EP 03789491 A 20031125

Priority

- FR 0303476 W 20031125
- FR 0215270 A 20021204

Abstract (en)

[origin: FR2848215A1] One-part heat-curable silicone elastomer composition comprises an ethylenically or acetylenically unsaturated polyorganosiloxane, a hydrogen-functional polyorganosiloxane, a metal catalyst, a filler, an adhesion promoter, a silicone resin, a heat stabilizer, and a crosslinking inhibitor selected from bisphosphonite esters (I) and phosphite esters (II). One-part heat-curable silicone elastomer composition comprises an ethylenically or acetylenically unsaturated polyorganosiloxane, a hydrogen-functional polyorganosiloxane, a metal catalyst, a filler, an adhesion promoter, a silicone resin, a heat stabilizer, and a crosslinking inhibitor selected from bisphosphonite esters of formula (I) and phosphite esters of formula (II). R, R1-R4, R1'-R3' = (cyclo)alkyl or optionally substituted aryl. Independent claims are also included for: (1) production of the composition by preparing a catalyst component by mixing the inhibitor with a solution or dispersion of the catalyst or by mixing the catalyst with a dispersion of the inhibitor in silicone oil; mixing some of the ingredients except for the catalyst component; heating and cooling the mixture; adding the rest of the ingredients except for the catalyst component, and then adding the catalyst component; and (2) adhesive comprising the composition.

IPC 1-7

C08L 83/07; **C09K 3/10**; **C09J 183/04**; **C08K 5/56**

IPC 8 full level

C08K 5/526 (2006.01); **C08K 5/5393** (2006.01); **C08L 83/04** (2006.01); **C08L 83/07** (2006.01); **C09J 183/04** (2006.01); **C09K 3/10** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2004061003A1

Cited by

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