

Title (en)

SILICONE COMPOSITION CROSS-LINKABLE INTO ADHESIVE GEL AND ABSORBER WITH MICROSPHERES

Title (de)

MIKROHOHLKUGELN-ENTHALTENDE HÄRTBARE SILOXAN-ZUSAMMENSETZUNG FÜR KLEBEGEL UND STOSSDÄMPFER

Title (fr)

COMPOSITION SILICONE RETICULABLE EN GEL ADHESIF ET AMORTISSEUR AVEC MICROSPHERES

Publication

EP 1025158 A1 20000809 (FR)

Application

EP 98952805 A 19981028

Priority

- FR 9802307 W 19981028
- FR 9713809 A 19971029

Abstract (en)

[origin: FR2770220A1] Silicone compositions that can be crosslinked by hydrosilylation to form adhesive and shock absorbing gels comprise: polysiloxane (A), (B) and optionally (F); adhesion promoter (C); hollow organic microspheres (D); a hydrosilylation catalyst (E); and optionally a polysiloxane diluent. Polysiloxane (A) has terminal units of formula $(R)_2QSiO_{1/2}$ (I) and internal units of formula $(R_{<1>})_pQqSiO$ (II). In (I) and (II), R and $R_{<1>}$ = 1-6 C alkyl and/or optionally substituted aryl; Q = H or alkenyl, preferably vinyl; p = 1 or 2; q = 0 or 1; and p + q = 2. Polysiloxane (B) has terminal units of formula $Qs(R_{<2>})_tSiO_{1/2}$ (III) and internal units of formula $Qu(R_{<3>})_vSiO$ (IV). In (III) and (IV), $R_{<2>}$ and $R_{<3>}$ = R; s = 0-3; t = 0-3; s + t = 3; u = 0-2; v = 0-2, provided that v = 1 in at least one of the internal units; and u + v = 2. Polysiloxane diluent (F) has terminal units of formula $(R_{<6>})_3SiO_{1/2}$ (V) and internal units of formula $(R_{<7>})_2SiO$ (VI). In (V) and (VI), $R_{<6>}$ and $R_{<7>}$ = R.

IPC 1-7

C08K 7/22; **C08L 83/07**

IPC 8 full level

C08K 7/22 (2006.01); **C08L 83/04** (2006.01); **C08L 83/07** (2006.01); **C09J 183/07** (2006.01)

CPC (source: EP US)

C08K 7/22 (2013.01 - EP US); **C08L 83/04** (2013.01 - EP US); **C08G 77/12** (2013.01 - EP US); **C08G 77/20** (2013.01 - EP US); **C08G 77/70** (2013.01 - EP US)

C-Set (source: EP US)

1. **C08K 7/22** + **C08L 83/04**
2. **C08L 83/04** + **C08L 2666/04**

Citation (search report)

See references of WO 9921918A1

Cited by

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