

Title (en)

SILANE MODIFIED PETROLEUM RESINS

Title (de)

SILANMODIFIZIERTES PETROLEUMHARZ

Title (fr)

RESINES DE PETROLE MODIFIEES PAR DU SILANE

Publication

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Application

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Abstract (en)

[origin: WO9623845A1] The invention is a hot melt adhesive composition suitable in road-marking compositions characterized by comprising a silane-modified petroleum resin and, optionally, one or more elastomeric thermoplastics. It is additionally the process for preparing a functionalized petroleum resin comprising the steps of: 1) providing into a reaction vessel, after post-reaction stripping of unreacted monomers and by-products from a petroleum resin polymerization or hydrogenation reactor, a petroleum resin having either or both of aliphatic or olefinically unsaturated carbon-carbon bonds; 2) adding to said vessel 0.05 to 1.0 wt.%, based upon resin weight, of silane monomers having sites reactive with the petroleum resin; (3) mixing thoroughly the two at a temperature of at least 160 DEG C; and, 4) recovering the petroleum resin-silane reaction product. The hot melt adhesive composition is useful in the road-marking compositions for improving adhesion of glass beads to road surfaces for improved endurance.

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