

Title (en)

ULTRAVIOLET RADIATION CURABLE ACRYLATE PRESSURE-SENSITIVE ADHESIVE COMPOSITIONS.

Title (de)

DURCH ULTRAVIOLETTSTRAHLUNG HÄRTBARE DRUCKEMPFLINDLICHE ACRYLATKLEBSTOFFZUSAMMENSETZUNG.

Title (fr)

COMPOSITIONS AUTO-ADHESIVES D'ACRYLATE DURCISSABLES PAR RAYONNEMENT ULTRAVIOLET.

Publication

EP 0633918 A1 19950118 (EN)

Application

EP 93907594 A 19930319

Priority

- US 9302528 W 19930319
- US 86124292 A 19920331

Abstract (en)

[origin: WO9320164A1] Crosslinked networks of (meth)acrylate (co)polymers, and a method of making the networks, are provided in which a photoiniferter-derived homopolymer, random copolymer or block copolymer is dissolved in a compatible monomer mixture along with a radiation-sensitive photoinitiator and crosslinker. The polymer-monomer mixture is coated onto a suitable web and cured via ultraviolet radiation to yield a crosslinked network resulting from polymerization of monomers along with incorporation of the active photoiniferter polymer. The networks exhibit excellent adhesive properties. When the photoiniferter polymer is a homopolymer, a random copolymer or an AB-type diblock copolymer, a pressure-sensitive adhesive results. When the photoiniferter polymer is a homopolymer or a random copolymer, the resulting adhesive exhibits excellent vibration-damping characteristics. When the photoiniferter polymer is an ABA-type triblock copolymer, a structural adhesive is obtained.

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C09J 4/06; **C08F 287/00**

IPC 8 full level

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