

Title (en)
COMPOSITIONS WITH COMPATIBILIZED SILICA, NITRILE RUBBER, STYRENE BUTADIENE RUBBER, ELASTOMERIC COMPOUNDS, AND/OR RECYCLED MATERIALS

Title (de)
ZUSAMMENSETZUNGEN MIT KOMPATIBILISierter SILIKA, NITRILKAUTSCHUK, STYROL-BUTADIEN-KAUTSCHUK, ELASTOMERVERBINDUNGEN UND/ODER RECYCELTE MATERIALIEN

Title (fr)
COMPOSITIONS COMPRENANT DE LA SILICE COMPATIBILISÉE, DU CAOUTCHOUC DE NITRILE, DU CAOUTCHOUC STYRÈNE-BUTADIÈNE, DES COMPOSÉS ÉLASTOMÈRES ET/OU DES MATÉRIAUX RECYCLÉS

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Abstract (en)
[origin: WO2011085199A2] A process for forming a compatibilized silica and nitrile polymer blend in latex form is described herein. The process can include treating a silica with a coupling agent to form a compatibilized silica slurry. The process can include blending the compatibilized silica slurry into a styrene butadiene polymer latex and an acrylonitrile butadiene polymer latex. The process can include blending silica styrene butadiene polymer latex with silica acrylonitrile butadiene polymer latex. A polymer composition of a compatibilized silica in blends of acrylonitrile butadiene polymer and styrene butadiene polymer and a recycled elastomeric composition are described herein. The recycled elastomeric composition can also include a compatibilized silica with a coupling agent, a crumb rubber, a carbon black, a filler, and an extender oil. Articles comprising the recycled elastomeric composition are disclosed herein.

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