US20150167233 - Auxiliary mat for vehicle and apparatus for processing the same

*BULIM CHEMICAL*

*Published 2015-06-18*

Disclosed are an auxiliary mat for a vehicle and an apparatus for processing the mat.

The mat may include a fabric to form an exterior appearance, a bubble paper to which the fabric is threaded and coupled, a coating layer coated on the lower surface of the bubble layer, a backing layer coupled to a lower surface of the coating layer, an adhesive layer interposed between the coating layer and the backing layer, and serving as an adhesive for bonding the lower surface of the coating layer and an upper surface of the backing layer, and a plurality of protrusions coated on a lower surface of the backing layer, and formed in a shape protruding from the lower surface of the backing layer.

The protrusions may be coated on the lower surface of the backing layer in a substantially uniform dot pattern.

US20150159324 - Tile carpet

*JAPAN CARPET*

*Published 2015-06-11*

A carpet of a type to be used in such manner that square plate-like members having a predetermined size are laid over the floor, and more particularly, a tile carpet comprising a carpet body, a carpet base to which the carpet body is fixed, and a layer of non-hardening type adhesive arranged on the rear surface of the carpet base, characterized in that the non-hardening type adhesive layer of the tile carpet consists of a mixture of acrylic foaming resin and urethane resin hardening type adhesive and a ratio of mixing of urethane resin hardening type adhesive in the mixture is 10 to 30 weight %.
EP2873768 - Dual layer carpet

AUTONEUM MAN

Published 2015-05-20

A dual layer carpet comprising at least a needle punched surface layer made of staple fibres and an adjacent needle punched cushioning layer made of staple fibres characterised in that the surface layer and the cushioning layer comprise of at least 25% of hollow staple fibres.

---

EP2872688 - Carpet comprising a propylene-based elastomer and methods of making the same

EXXONMOBIL CHEMICAL PATENTS

Published 2015-05-20

Provided are carpets comprising at least one propylene-based elastomer.

The presence of the propylene-based elastomer provides the carpet with improved properties, including good tuft bind strength and tuft lock strength, and reliable construction.
EP2855143 - Insert mat for motor vehicles for laying on a floor carpet structure of the motor vehicle

EARLS NITZ ACCORDING TO TEAL MOTOR

Published 2015-04-08

An insert mat for motor vehicles for placing onto a sound-absorbing wall-to-wall carpet structure of the motor vehicle, having an at least three-layer structure, in which the structure has a decorative layer, which is oriented toward the interior of the vehicle in the proper position of the insert mat and is attached to a top surface of a support layer, which surface is oriented toward the interior of the vehicle in the proper position, and a gripping layer, which in the proper position of the insert mat, is attached to a bottom surface of the support layer and is embodied to achieve a hooking interaction with a wall-to-wall carpet of a vehicle, in which the entire structure is embodied to be air permeable, wherein the decorative layer is a tuft, the support layer is a nonwoven, and the gripping layer is a tuft.

EP2847378 - Motor vehicle parts

HP PELZER HOLDING

Published 2015-03-18

The invention relates to a motor vehicle part material structure for sound insulation for the motor vehicle interior and motor vehicle trunk, namely floor mats floor coverings, and trunk linings, that makes it possible to industrially implement complete reprocessing of the entire composite, in particular the fiber material.

The motor vehicle part has a PIT fiber layer, an optional substrate layer made of PET and/or COPET, an optional PET adhesive layer, a PET adhesive layer, a layer made of PET fiber nonwoven & brie or woven fabric, and an insulating layer made of PET/COPET.
**EP2841641** - Compositions comprising poly(trimethylene terephthalate) and thermoplastic polyolefin and processes using the compositions

*DU PONT DE NEMOURS*

*Published 2015-03-04*

This invention pertains to compositions and processes suitable for recycling post-consumer carpet tiles that comprise poly(trimethylene terephthalate) fibers and thermoplastic polyolefin backings.

The compositions disclosed herein comprise poly(trimethylene terephthalate) and thermoplastic polyolefins, compositions which may or may not be mineral filled.

Strong tough articles can be prepared by molding or extrusion of typical commercially available carpet tiles when combined with additional amounts of thermoplastic polyolefin, whether filled or unfilled.

**DE102013012843** - Textile floor covering, in particular for use in the interior of airplanes

*ANKER TEPPICHBODEN GEBR SCHOELLER*

*Published 2015-02-05*

The invention relates to a textile floor covering, in particular for use in the interior of aircrafts, on a bottom side or back side of which a fiber nonwoven is additionally applied, which fiber nonwoven is coated with a water-based acrylate dispersion (acrylic latex coating).

The acrylate dispersion has penetrated into the fiber nonwoven only to a certain depth.

It is thereby achieved that the floor covering has high floor adhesive strength and lies on the floor in a slip-proof manner without additional means (e.g., hook-and-loop fastener strips) being required.

Furthermore, all relevant fire safety requirements are met for use in the aircraft sector.
US2015017376 - Washable carpet tile

MILLIKEN

Published 2015-01-15

This invention relates to tufted floorcovering articles that are washable in commercial, industrial, and/or residential washing machines.

In particular, this invention relates to modular carpet tiles that are constructed in such a way as to withstand exposure to at least one wash cycle in an automatic washing machine.

The carpet tiles are designed to be soiled, washed, and re-used, thereby providing ideal end-use applications such as entryway floorcovering articles.

A further advantage includes the ability to print advertising logos on the carpet tiles and easily change out the advertising logos as desired.

Both features of the carpet tile of the present invention are achievable, at least in part, because the surface of the tile that contacts the floor does not require any type of adhesive in order to use the carpet tile for its intended function.

EP2804510 - Deconstructed carpet and method of manufacture

COLUMBIA INSURANCE

Published 2014-11-26

A deconstructed tufted carpet having an at least partially visible primary backing.

In aspects, deconstructed carpet can utilize the primary backing layer as a design element of the overall pattern and styling in order to reduce material use, waste and the ounce weight of the finished carpet and to improve the method of carpet construction.

In order to expose the primary backing, at least some yarn can be pulled very low in the pattern areas to expose the primary backing layer.

It is contemplated that the primary backing layer can have a color that comprises part of the overall pattern and styling of the carpet.
US2014272262 - Recyclable single polymer floorcovering article

MILLIKEN

Published 2014-09-18

This invention relates to tufted floorcovering articles, including carpet tiles and broadloom carpet.

In particular, this invention relates to tufted floorcovering articles made from the family of polymers known as polyester.

Specifically, this invention relates to tufted carpet tile products made from polyester.

The polyester carpet tiles meet commercial performance specifications and are fully end-of-life recyclable.

US8794270 - Method for weaving an antiqued rag Tibetan weave carpet

TAMARIAN CARPETS

Published 2014-08-05

A method for weaving a carpet including tying a row of knots with a yarn and weaving two or more weft strands next to the row of knots, where the weft strands are 100% cotton and the yarn is wool yarn hand-carded and hand-spun into a single strand is described.
EP2754373 - Flame-retardant planar body, carpeting resistant to generating hazardous gases that uses said flame-retardant planar body, and method for producing said carpeting resistant to generating hazardous gases

YOSHDA FUSA ORIMONO

Published 2014-07-16

The present invention provides a completely new flame retardant planar element having a most suitable cushioning characteristic as well as flexibility and elasticity with improvement of a feature which is hard to generate hazardous gas due to flame resistance as well as flame retardance and fire resistance, a floor covering hardly generating hazardous gas using the flame retardant planar element, and a production method of the floor covering hardly generating hazardous gas.

The flame retardant planar element of the present invention has a flexible planar element, which can be used for a floor covering hardly generating hazardous gas, contains at least an inorganic substance such as sodium polyborate on at least any of one surface or other surface of the flexible planar element, and has a thermoplastic resin layer with at least either one of an acetyl group or a low-temperature dependence.


CTTEC

Published 2014-07-02

The invention relates to a method for manufacturing pile carpet or pile carpet tiles, wherein a pile yarn is connected via a pile thread holder to at least a primary backing, wherein the pile thread holder comprises a plurality of pile thread guide channels which perforate the pile thread holder through two opposite sides, wherein the pile thread holder is provided between a pile thread gripping station on a first perforated side and a primary backing on a second perforated side such that the pile yarn is arranged via the first perforated side through a pile thread guide channel to the second perforated side onto, into or through the backing.
EP2749691 - Composition for sealing a colorant to a surface, protecting a surface, and providing wear resistance to a surface

JOHNSON & SON

Published 2014-07-02

A protective sealant composition that is useful for sealing a colorant to a substrate, such as carpet.

The protective sealant composition is formulated such that, upon drying, the composition forms a topcoat on the surface of the substrate, with the topcoat having a hard component and a soft component.

The composition provides a durable protection against color fading and resoiling to the applied colorant, as well as to the rest of the surface of the substrate.

The composition also provides wear resistance to the carpet by reducing the amount that the widths of the top ends of carpet fibers increase when subjected to wearing.

US2014158276 - Floor coverings with universal backing and methods of making, installing, and recycling

HIGGINS RESEARCH & DEVELOPMENT

Published 2014-06-12

A dimensionally stable floor covering comprises a tufted textile substrate and a reinforcement layer attached to the textile substrate. The reinforcement layer includes an adhesive backing compound and reinforcement fibers surrounded by the adhesive backing.

The fibers may form a continuous layer on the back side of the floor covering or may be dispersed within the adhesive backing compound.

The adhesive backing compound may be hot water-soluble to facilitate recycling of the floor covering.

The floor covering may optionally include additional backing layers (including cushions) and may be used as a broadloom carpet, a carpet tile, or other modular floor covering products.

Methods of manufacturing, installing, and recycling the present floor coverings are also provided.
EP2735251 - Mat

ASR & D

Published 2014-05-28

Provided is a mat which is capable of significantly contributing to sound and healthy life environment, and particularly capable of effectively reducing energy of radiations such as α-rays, β-rays, γ-rays, and X-rays, electromagnetic waves, vibrations, sounds, impacts, radiations and so on and which has excellent antibacterial properties, antiviral properties, anti-allergen properties and deodorization properties.

The mat is a mat with a backing layer formed on the back surface side of a fiber surface layer, wherein at least one of the fiber surface layer and the backing layer contains an organic attenuating filler and a radiation reduction filler, and an iodine complex and an allergen reduction filler.

EP2705192 - Modular carpet systems

TAN DAS FLOORING INK

Published 2014-03-12

A modular carpet system includes a carpet tile and an adhesive.

The carpet tile is operative for resisting deformation, even under adverse conditions.

In some embodiments, the adhesive may comprise a silicone-based adhesive or a urethane-based adhesive.

US8669297 - Textile backing formed from recycled materials

TANDUS FLOORING

Published 2014-03-11

Backings for carpet and carpet tiles are formed from various post-consumer and/or post-industrial polymeric waste materials, for example, post-consumer textile waste material (e.g., carpet and carpet tiles), post-industrial textile waste material (e.g., carpet and/or carpet tiles), and/or other post-consumer and/or post-industrial polymeric materials.
EP2506742 - Method for making a floor covering

INTERFACE AUST

Published 2012-10-10

There is disclosed herein various floor coverings and methods for making the same.

In one embodiment, there is disclosed a floor covering including a primary backing layer having a fibrous face and an underside, wherein the fibrous face is formed from a bulked continuous filament yam comprising a plurality of continuous filaments formed from a biobased polyhexamethylene sebacamide polymer or a blend of a biobased polyhexamethylene sebacamide polymer together with up to 80wt% of at least one other polymer compatible with the biobased polyhexamethylene sebacamide polymer.

There is also described a method of making a floor covering comprising: tufting or implanting a bulked continuous filament yarn into a primary backing material, wherein the yam comprises a plurality of continuous filaments formed from a multi-component fibre comprising a biobased polyhexamethylene sebacamide polymer or a blend of a biobased polyhexamethylene sebacamide polymer together with up to 80wt% of at least one other polymer compatible with the biobased polyhexamethylene sebacamide polymer.