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(54) Title: IMPREGNATED GLASS FIBER STRANDS AND PRODUCTS INCLUDING THE SAME

(57) Abstract: The present invention provides an at least partially coated fiber strand comprising a plurality of glass fibers having a resin compatible coating composition on at least a portion of a surface of at least one of said glass fibers, the resin compatible coating composition comprising: (a) a plurality of lamellar, inorganic particles and (b) at least one polymeric material. The present invention further provides that the resin compatible coating composition comprises (a) a plurality of discrete particles formed from materials selected from non-heat expandable organic materials, inorganic polymeric materials, non-heat expandable composite materials and mixtures thereof, the particles having an average particle size sufficient to allow strand wet out; (b) at least one lubricious material different from said plurality of discrete particles; and (c) at least one film-forming material. The present invention further provides that the resin compatible coating composition comprises (a) a plurality of hollow, non-heat expandable organic particles; and (b) at least one lubricious material different from the at least one hollow organic particle.

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