

RESIN COMPATIBLE YARN BINDER AND USES THEREOF

ABSTRACT

A fiber strand comprising at least one fiber at least partially coated with a composition formed from at least one rosin, at least one cationic lubricant, at least one film forming material, at least one organosilane coupling agent, and at least one dispersion of polymeric particles. A fiber strand comprising at least one fiber at least partially coated with a composition formed from components comprising at least one rosin, at least one polymeric lubricant, at least one film forming material, at least one organosilane coupling agent, and at least one dispersion of polymeric particles. A fiber strand comprising at least one fiber at least partially coated with a starch-free composition comprising at least one rosin, at least one cationic lubricant, at least one film forming material, and at least one organosilane coupling agent. A fiber strand comprising at least one fiber at least partially coated with a starch-free composition comprising at least one rosin, at least one polymeric lubricant, at least one film forming material, and at least one organosilane coupling agent. A fiber strand comprising at least one fiber at least partially coated with a composition comprising at least one rosin, at least one silyated polyamine, at least one film forming material, and at least one organosilane coupling agent. Also provided are fabrics and composite materials comprising at least one of these fiber strands.

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