

Nanocyl SIZICYL™ XC R2G Liquid Sizing Agent for Carbon and Glass Fibers

Category : Other Engineering Material , Additive/Filler for Polymer

Material Notes:

SIZICYL™ XC R2G is a liquid sizing agent containing Carbon Nanotubes for reinforcement fibers for composite applications. Specifically engineered to improve mechanical properties of the final composite structure, without affecting the viscosity of the resin used to impregnate the fiber (e.g. by resin infusion or RTM process), this formulation is designed according to industrial processings in order to bring an efficient answer to performance requirements in composite applications. SIZICYL™ XC R2G is compatible especially with glass and carbon fibers. Applications: High performance composite parts Automotive (bumpers and other structural parts) Marine, especially sailing boats (structural outer shell in carbon fiber composite, masts and other generic structural parts) Industrial parts (rollers, doctor-blades and wind-mill blades) Sporting equipments (bike frames, hockey sticks, tennis rackets, skis and golf shafts) Aerospace (structural parts and interiors) Advantages Versatile application, Easy and ready to use, Compatible with RTM and Infusion processes Suggested conditions of application SIZICYL™ XC R2G solid content is 6.2%. The suggested solid content on the surface of the fibers or the textile is 0.5%. Liquor pickup of SIZICYL™ XC R2G has to be adjusted accordingly to process setup (full bath impregnation or Roller impregnation for the fibers) to achieve the suggested solid content. To comply with viscosity and process requirements, SIZICYL™ XC R2G can be diluted with de ionized water. Drying of SIZICYL™ XC R2G has to be done in the range of temperature between 150 and 175 degrees Celsius. SIZICYL™ XC R2G can be applied as a first layer of sizing agent or as an oversizing on the fibers or textiles. SIZICYL™ XC R2G is compatible with Carbon and glass fibers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Nanocyl-SIZICYL-XC-R2G-Liquid-Sizing-Agent-for-Carbon-and-Glass-Fibers.php

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