

Prepreg production excellence with Algro Sol Release Liner



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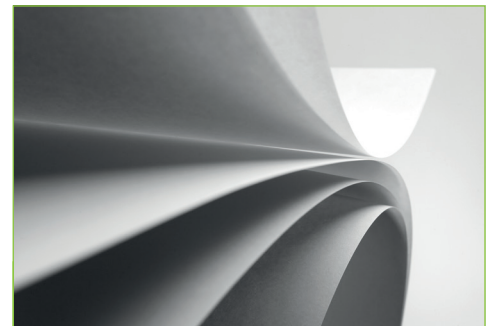
The high quality production of prepregs is assured with Sappi's Algro Sol. The siliconised process paper or protective carrier for a fibre matt comprised of glass or carbon resin. Once matts are safely transported to the manufacturing location, the resin is then moulded into the final product. To ensure delivery without damage and easy release of the matt resin from the siliconised process paper, coated Kraft paper with reverse side functional coating is an effective and protective substrate.

As result of Sappi's experience and comprehensive applications knowledge Algro Sol silicone base papers deliver:

- Exceptional converting properties and very good manual handling
- High dimensional stability with good lay-flat properties for the self-adhesive structure and reuse

- Low shrinkage of the paper on heat loading
- High ply bond strength
- Both a low silicone consumption and a homogeneous silicone surface
- Fast silicon curing and superior silicone anchorage

Perhaps most importantly, the high quality of Algro Sol papers allows a high level of process reliability and process efficiency. These include high bulk and stiffness, high mechanical strength, good manual handling during processing, low hygro expansion, low shrinkage during processing and inertness which means there is no chemical interaction with applied coatings. This result is a safer, faster and easier handling of the prepreg material. For many prepreg applications like the manufacturing of sporting goods such as ski



The outstanding quality of Algro Sol papers from Sappi assures a high level of process reliability and process efficiency

and tennis rackets, manual handling of the materials is part of the manufacturing process. This manual handling of the prepreg material can be stressful if the siliconised paper is not robust enough.

Algro Sol's very high dimensional stability makes it ideal for these purposes which is assured by using a special fibre mix and a unique drying process when the paper is manufactured. Another benefit of the release liner is the usage in regions where climatic conditions are a key consideration, such as in Asia. The tropical condition with high humidity and warm temperatures will not affect the quality of the paper.

Sappi has significant expertise in next-generation silicone base papers, and the Algro Sol product line is a great fit for global prepreg marketplace requirements – today and into the future. ■



The Sappi Alfeld mill also operates as a centre of excellence for speciality papers

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