



LEADCOMP 



九江市磐泰新材料有限公司

地址：江西省九江市经开区出口加工区三宝路9号

邮箱：service@pantaimail.com

官网：https://www.aramidcloth.com/

邮编：332000

Jiujiang Leadcomp co., Ltd.

Address: No.9 Sanbao Road, Export Processing Zone, Jiujiang Development Zone

Email: service@pantaimail.com

Web: https://www.aramidcloth.com/

zip: 332000



创新·服务·诚信·专业
Creative·Service·Honest·Professional

About Us

九江市警泰新材料有限公司是一家专注于高性能纤维及先进复合材料研发、生产与全球销售的专业制造商。公司依托母公司警泰复合材料深厚的技术积淀，专业为全球客户提供高品质产品解决方案，主营产品包括玻璃纤维布、芳纶、聚四氟乙烯（PTFE / 特氟龙）、高硅氧及环氧板等。

我们的材料广泛应用于电子电气、航空航天、工业制造、新能源及防火阻燃等多个关键领域。凭借产品优异的耐高温性、卓越电绝缘性、阻燃性及化学稳定性，公司在全球市场树立了可靠、高性能的良好品牌口碑。

Jiujiang Leadcomp Co., Ltd. is a professional manufacturer dedicated to the R&D, production, and global distribution of high-performance fibers and advanced composite materials. Building on the profound technical heritage of our parent company, Jiujiang PTFE co., Ltd., we specialize in delivering premium solutions, including fiberglass cloth, aramid, PTFE (Teflon), high-silica, and epoxy board products, to customers worldwide. Our materials are trusted across a wide range of critical industries, including electronics & electrical, aerospace, industrial manufacturing, new energy, and fire protection. Renowned for their exceptional high-temperature resistance, superior electrical insulation, flame retardancy, and chemical stability, our products have established a strong reputation for reliability and performance on the global stage.

资质证书 Qualification Certificate





芳纶预浸料介绍

芳纶预浸料是以芳纶纤维为核心增强体（包括芳纶连续长丝、芳纶织物、芳纶短切纤维），搭配专用高性能热固性树脂基体（环氧树脂、酚醛树脂、改性环氧、双马树脂等），经精密浸渍、控温烘干、控粘定型制成的B阶半固化柔性片状复合材料中间体，属于高端复合材料预制核心原料。生产过程严格把控树脂含量精度与纤维浸润效果，确保无干丝、无积胶，成品稳定处于半固化B阶状态，柔韧性与铺覆性俱佳，可直接通过热压罐、模压、真空袋压等常规复合材料成型工艺升温加压固化，无需现场调配树脂，成型后构件兼具轻质高强、耐高温、阻燃、绝缘、抗冲击、耐磨损等核心优势，适配多领域高端复合材料构件制备。

Introduction to Aramid Prepreg

Aramid prepreg is a B-stage semi-cured flexible composite intermediate made with aramid fiber as the core reinforcement (including continuous aramid filaments, aramid fabrics, and aramid staple fibers), combined with specialized high-performance thermosetting resin matrices such as epoxy resin, phenolic resin, modified epoxy, and bismaleimide resin. It is manufactured through precise impregnation, temperature-controlled drying, and viscosity-controlled forming. As a high-end core raw material for composite preforms, its production strictly controls the accuracy of resin content and fiber impregnation quality to ensure no dry spots or resin accumulation. The finished product remains stably in a semi-cured B-stage state with excellent flexibility and conformability. It can be directly cured by heating and pressing via conventional composite molding processes such as autoclave, compression molding, and vacuum bag molding without on-site resin mixing. The molded components feature core advantages including light weight, high strength, high temperature resistance, flame retardancy, electrical insulation, impact resistance, and abrasion resistance, making them suitable for the fabrication of high-end composite components in various fields.



长丝
filament



短切
chopped fiber



织物
fabric



优点/Advantages

轻质高强/Lightweight and high-strength :

密度远低于常规金属，比强度优于普通玻纤预浸料，抗拉伸、抗冲击性能优异，轻量化效果显著。It has a much lower density than conventional metals, with superior specific strength compared to standard glass fiber prepregs, excellent tensile and impact resistance, and remarkable lightweight performance.

耐高温阻燃/High Temperature Resistance & Flame Retardancy :

长期耐受220 高温，短时能耐500 ，本质阻燃、无熔滴、低烟低毒，防火稳定性强。

It can withstand long-term high temperature of 220 and short-term temperature of 500. It is inherently flame retardant, no molten droplets, low smoke and low toxicity, with strong fire resistance stability.

优异耐候性/ Weather & Corrosion Resistance :

耐酸碱、抗老化、抗疲劳、耐湿热，恶劣环境下性能持久，使用寿命长。It is acid and alkali resistant, aging resistant, fatigue resistant, and damp-heat resistant, delivering stable performance and long service life even in harsh environments.

工艺适配性强/Good Process Compatibility :

柔韧性与铺覆性佳，固化工艺窗口宽，无需现场配胶，适配多种热压成型工艺。Good flexibility and conformability, wide curing process window, no on-site resin mixing required, suitable for various hot press molding processes.

多功能性兼具/Multi-function Integration :

兼具绝缘、减震、耐磨、抗切割特性，兼顾结构承载与功能防护。It combines electrical insulation, shock absorption, wear resistance, and cut resistance, achieving both structural load-bearing capacity and functional protection.



所使用的树脂规格 Resin Specifications Used

型号 Model	树脂类型 Resin Type	固化温度 Curing Temperature	产品特点 Product Features	适用行业 Applicable Industries
PR100E	Solvent-based epoxy resin	125-130	General purpose	Sports goods, 3C products
PR210E	Hot-melt epoxy resin	125-130	General purpose	Sports goods, industry, aviation
PR211E	Hot-melt epoxy resin	125-130	Low resin loss, impact resistance	Sports goods, 3C products
PR212E	Hot-melt epoxy resin	125-130	Low resin loss, impact resistance, high viscosity	Sports goods, 3C products
PR219E	Hot-melt epoxy resin	125-130	Low resin loss, impact resistance, high transparency	Sports goods, industry, aviation
PR320E	Hot-melt epoxy resin	80-150	Fast curing	Sports goods, industry, 3C products
PR420E	High Tg epoxy resin	200-210	Low resin loss, high Tg 170, post-curable	Sports goods, industry, aviation, aerospace
PR430E	High Tg epoxy resin	210-240	Low resin loss, high Tg 200	Sports goods, industry, aviation, aerospace
PR400P	Phenolic resin	200-210	Flame retardant, high temperature resistance, high Tg	Bulletproof helmets, armor plates

预浸料产品形态 Prepreg Product Form

Classification	Morphological Description	Fiber Weight FAW	Resin Content RC%	Customization Instructions	Applicable Processes
PTPREG™	UD, plain weave, twill weave, pattern woven prepreg (natural color / colored)	40-630g	10-50%	Fabric width 30-1270mm	Tube winding, molding, hot pressing, etc.
PTMC™	Pre-impregnated chopped strands (natural color/colored)	-	30-50%	Chopped strand length 3-120mm	Molding, hot pressing, etc.
PTTOW™	Pre-impregnated continuous tow (natural color/colored)	-	30-50%	Linear density 200-150000	Filament winding



预浸料保存时间 Prepreg Shelf Life

温度 Temperature	PR1, 2 系列 Series	PR3 系列 Series	PR4 系列 Series
-18	6 months	3 months	6 months
0	3 months	1 month	3 months
25	14 day	7 day	14 day

应用领域 Application Fields

1. 防弹用品
BULLETPROOF PRODUCTS

2. 航空航天
AEROSPACE



3. 高端工业产品
HIGH-END INDUSTRIAL PRODUCTS

4. 体育用品
SPORTS GOODS