

FILAMENT WINDING EPOXY SERIES

缠绕工艺用环氧树脂

适用于各种类型玻纤、碳纤复合材料缠绕工艺；
颜色透明、产品不易变黄； 阶梯耐温等级，可满足各类缠绕产品的需求；
较强的柔韧性并保持较高的强度，保证缠绕制品优异的综合性能；
常温超长操作时间，保证缠绕过程中的粘度稳定，工艺性良好，有效避免流胶、气泡等问题；
应用于压力容器、GRE 高压管道、高性能复合材料电杆、套筒等各类缠绕产品领域。

Filament Winding Epoxy Series

Suitable for all kinds of glass and carbon fibers in filament winding process. Transparent, not easy to turn yellow.

Various heat resistance grades to meet requirements of all kinds of filament wound products.

High toughness together with high strength to make sure the excellent combination property.

Long pot life at room temperature ensuring stable viscosity during processing. Excellent processing property reducing the loss of resin and formation of bubbles.

Mainly used in wound products such as pressure vessels, GRE high pressure pipes, high-performance composite poles and cartridges.

FILAMENT WINDING EPOXY RESIN

缠绕工艺用环氧树脂

产品推荐：AF-4308A/B、AF-4007A/B

- 1、压力容器专用缠绕树脂体系，与碳纤维匹配性极佳，具有阻燃性。
- 2、高强度高韧性，保证制品具有优秀的综合性能。

AF-4308A/B、AF-4007A/B

- 1、Special for pressure vessel winding resin series, high suitability to carbon fibers.
- 2、High strength and high toughness ensuring the excellent combination property.



FILAMENT WINDING EPOXY SERIES

缠绕工艺用环氧树脂

缠绕工艺酸酐固化剂体系 AMINE HARDENER SYSTEM

适中的粘度，特别适合缠绕工艺；应用于高压管道、船管等领域。

对玻纤和碳纤维表现出较好的浸润性，保证制品品质。操作适用期长，适合玻璃钢管道缠绕。

Moderate viscosity, particularly suitable for filament winding process.

Excellent wettability to glass and carbon fibers, to make sure the product quality.

Long pot life, highly suitable for wound GFRP pipes, pressure pipes, wound tubing.

缠绕工艺用环氧树脂 Filament Winding Epoxy Resin

品名 Product	配比 Mixed Ratio	混合黏度 Mixed Viscosity 25°C(mPa.s)	玻璃化转移温度 Tg (°C)	特性 Characteristics
AF-4122 A/B	100 : 80	500-1000	≥115	韧性好，操作工艺性优良，对玻纤和碳纤具有良好的浸润性 Good toughness, excellent processing property, good wettability to glass and carbon fibers.
AF-4184 A/B	100 : 110	300-1000	≥180	低黏度，高耐温，操作性优异，对玻纤和碳纤浸润性优良 Low viscosity, high heat resistance, superb operability, good wettability to glass and carbon fibers.
AF-4900 A/B	100 : 120	1000-1500	≥210	高耐温，高韧性，优越的存储稳定性 Ultra-high heat resistance and high toughness, excellent storage stability.
AF-4080 A/B	100 : 70	800-1200	≥95	具有阻燃性，优良的操作工艺 flame-retardant, excellent operability.
AF-4081 A/B	100 : 70	800-1500	≥150	
AF-4206 A/B	100 : 100	200-500	≥110	碳纤维优良的浸润性和结合性，低粘度，可用于高要求的氢气应用 Low viscosity, excellent wettability and binding to carbon fibers; especially suitable for high demanding hydrogen vessels.
AF-4303A/B	100 : 85	350-550	≥110	可应用于压缩天然气(CNG)容器的热机械和压力循环要求 Designed to meet the requirements of thermo-mechanical and pressure-cycling for CNG vessels.
AF-4020A/B	100 : 100	200-500	≥120	低粘度，操作工艺性优良，对玻纤和碳纤具有良好的浸润性 Low viscosity, excellent operability, good wettability to glass and carbon fibers.
AF-4510A/B	100 : 30	250-350 (27°C)	≥75	胺类体系具有高机械性能、低温固化能力和较高反应活性，适用于 LPG 瓶 Amine based system with high mechanical performance, low temperature curing capability and higher reactivity, suitable for LPG vessels.
AF-4602A/B	100 : 85	600-1100	≥105	工艺性优良、满足 LPG 容器压力循环要求 excellent operability; to meet the requirement of pressure-cycling for LPG vessels.

