

Aramid Fiber (Fanglum)



Product Characteristics

- ★ High Tensile Strength: specific strength is about 3 times of steel, and 4 times of high tenacity polyester fiber.
- ★ High Modulus: 4-10 times of polyester fiber and more than 10 times of PA fiber.
- ★ High Temperature Resistance: still remains high tensile strength under high temperature, e.g. at the temperature of 260°C, more than 65% of original tensile strength remained.
- ★ Low Density, Abrasion Resistance, Impact Resistance, Fatigue Resistance, and Excellent Dielectricity.

Main Application

- ★ Protective Material, e.g. ballistic laminate for tank vehicle, armored vehicle and aircraft, helmet, bulletproof clothing, etc.
- ★ Reinforcement Material for any part of tire, including the case, belt and cap ply of radial tire, etc., even for tire bead accompanied with resin as the substitution of steel wire.
- ★ Heat Resistance Product: most suitable for micro-sized printed circuit board of cell phone, etc.
- ★ Rope and Cable: for military destroyer, aircraft carrier and helicopter with surviving task, etc.

Technical Parameter

Item	Specification		Remark
	Type A, Para-Aramid fiber	Type B, Para-Aramid fiber	
Fiber Denier (D)	1500±15	2250±22	
Tensile Strength (g/d)	21±1.5	21±1.5	
Modulus (g/d)	510±40	510±40	
Breaking elongation rate (%)	≈3.6	≈3.6	
HASR (%)	≥82	≥82	HASR
Pin Drop (cm)	10±6	10±6	Pin drop
Yarn Finishing Agent Content (%)	1.0±0.3	1.0±0.3	
Total Salt Content (%)	0.7±0.3	0.7±0.3	
Moisture (%)	10±2	10±2	

Specification Type A, Para-Aramid Fiber Type B, Para-Aramid Fiber

Instruction and Notice

This product should not be exposed directly to sunlight for a long time during it is in use, in case the fibers ageing and shorten working life.

Packaging, Storage and Transportation

This product should be stored in a dry and cool place and keep away from light, the fiber is wined and finished as bobbin which packed with black plastics bag and weighed 15kg/bobbin.

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芳纶 II 纤维



产品特性

- ★ 高强度: 比强度约为钢的3倍, 为高强涤纶的4倍。
- ★ 高模量: 为涤纶工业丝的4-10倍, PA纤维的10倍以上。
- ★ 耐热性能好: 在高温下仍能保持较高的强度, 如在260°C温度下仍可保持原强度的65%以上。
- ★ 低密度、耐磨、抗疲劳以及优良的介电性能等。

主要用途

- ★ 用作防护材料, 如坦克、装甲车、飞机防弹板, 以及头盔和防弹衣等。
- ★ 用作轮胎任何部件的骨架材料, 如子午线轮胎的胎体、带束层、冠带层等部位的增强材料, 甚至可替代钢丝与树脂配合支撑轮胎胎圈。
- ★ 耐热制品: 特别适合用于手机等微小尺寸的印刷线路板。
- ★ 绳缆: 军事用的驱逐舰、航空母舰、以及吊挂救人的直升机等。

产品参数

项目	指标		备注
	芳纶1414-A型	芳纶1414-B型	
纤维强度 (D)	1500±15	2250±22	
强度 (g/d)	21±1.5	21±1.5	
模量 (g/d)	510±40	510±40	
断裂伸长率 (%)	≈3.6	≈3.6	
热老化残余强力 (%)	≥82	≥82	HASR
丝束杂乱度 (cm)	10±6	10±6	Pin drop
纱线整理剂含量 (%)	1.0±0.3	1.0±0.3	
总含盐率 (%)	0.7±0.3	0.7±0.3	
含水率 (%)	10±2	10±2	

特征产品牌号: 芳纶 II -A型 芳纶 II -B型

使用方法及注意事项: 本产品在使用过程中应避免长时间直接暴露在光照中, 以免引起纤维老化缩短使用寿命。

包装及储运: 本产品需要避光保存在干燥的环境中。本产品卷绕成卷, 用黑色塑料袋包裹, 规格为15千克/卷。

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