



FIBER-LINE™ COATING SELECTION GUIDE

COATING	Bondcoat [™] Adhesion Enhancing	Colorcoat [™] Fiber Color	Packcoat [™] Performance Enhancing	Protexcoat [™] UV Resistant	Swellcoat [™] Blocker Water Blocking	Swellcoat [™] Water Absorbing	Wearcoat [™] High Abrasion	Blockcoat [™] Anti-Wicking	Repelcoat [™] Water Repellant	Flamecoat™ Flame Resistant
FEATURES	Created for applications where an untreated fiber does not have the ability to provide the appropriate amount of bonding characteristics to another material Provides adhesion to another fiber or substrate without impacting other performance properties Improves adhesion of the fiber to the resin matrix it is introduced into Enables industry standard "burst" tests or stringent delamination analysis	 Designed to achieve vibrant colors for safety, identification, and aesthetics Specialized formulas and binders adhere the pigment to the exterior of the individual filaments, while impregnating deep into the fiber bundle Available by Pantone or RAL number Compatible with a variety of composite resins including epoxy, polyurethane, and polyethylene Stronger than solution-dyed fibers 	Designed to add lubricity and temperature resistance at the filament level for braided compression packing Coating at the fiber level versus the finished braid achieves higher % level coating Fiber level coating extends the life of the braid and reduces required maintenance Various formulations available PTFE, silicone, graphite, and mineral oil	Created for high performance fibers that lack inherent ultraviolet (UV) resistance Coating impregnates the individual fibers with a specialized resin for improved UV protection Coating enhancements include UV inhibitors, absorbers and stabilizers Improves the processing of the product via reduced filament snagging and friction	 Low level water-blocking finish for any technical fiber or textile substrate Provides water-blocked strength reinforcements for dry cable designs Can absorb 5x to 15x its weight in water Dust-free coating imparts a very soft fiber hand, advantageous to cable, rope, and other textile processes 	Patented technology incorporates super absorbent polymer (SAP) suspended in a proprietary resin matrix Used in the production of 'dry-dry' telecommunications, electromechanical, seismic, umbilical and power cables Can absorb up to 100x its weight in water Creates a stable gel when exposed to water Functionally replaces flooding compounds, filling gels, spun SAF yarns, and water blocking tapes Enables faster, more economical and robust cable manufacturing	Increases durability and abrasion resistance by encapsulating filaments in the fiber bundle Extends the life of the product by reducing the effects of friction and yarn on yarn abrasion Protects the fiber from degradation and filamentation Ideal for high abrasion and high friction applications in a range of fiber constructions and environments	Wicking refers to the tendency of a yarn or other fiber to draw moisture into filaments via capillary action Coatings designed to prevent moisture from wicking within and between fibers and strands Protects Wire or Optical Fiber from damaging effects of moisture, which can cause a drop in signal and attenuation	Hydrophobic additives used to promote and enhance water repellancy in industrial applications Creates a waterproof barrier that prevents moisture from further migration Applied at various % levels to optimize for water-proof ratings	Designed to inhibit or slow the spread of fire/flame Coupled to fibers with inherent flame and thermal resistance to boost performance Added to fibers with weak flame resistance to improve burn rating
SUITABLE FIBERS	 Kevlar® Para-Aramid Nomex® Meta-Aramid Vectran® LCP Zylon® PBO Technora® Fiber Carbon Fiber 	 Kevlar® Para-Aramid Nomex® Meta-Aramid Vectran® LCP PET Polyester Fiberglass UHMWPE 	 Kevlar® Para-Aramid Nomex® Meta-Aramid Carbon Fiber Graphite Fiber Fiberglass PTFE Fiber 	 Kevlar[®] Para-Aramid Vectran[®] LCP Zylon[®] PBO Technora[®] Fiber 	 Kevlar® Para-Aramid Vectran® LCP Zylon® PBO PET Polyester (All shrinks) UHMWPE 	 Kevlar® Para-Aramid Vectran® LCP Zylon® PBO Technora® Fiber Fiberglass PET Polyester (All shrinks) 	 Kevlar® Para-Aramid Vectran® LCP Zylon® PBO Carbon Fiber PET Polyester (All shrinks) UHMWPE 	 Kevlar® Para-Aramid Vectran® LCP Zylon® PBO Carbon Fiber PET Polyester (All shrinks) Fiberglass 	 Kevlar® Para-Aramid Vectran® LCP Zylon® PBO Carbon Fiber PET Polyester (All shrinks) Fiberglass 	 Kevlar® Para-Aramid Vectran® LCP Zylon® PBO PET Polyester (All shrinks)
PRODUCTS	Belt & Hose Reinforcement Yarn Strength Members Industrial Fabric Yarn Wire Harness Yarn	RipcordsStrength MembersWire Harness YarnIndustrial Fabric Yarn	Braided compression rings and seals Valve stem packing Pump packing	Strength Members Industrial Fabric Yarn Wire Harness Yarn	Strength MembersRipcordsBinder YarnFiller YarnSynthetic Wire Rope	 Buffer Thread Binder Yarn Filler Yarn Strength Members Ripcords FRP Rod 	RipcordsStrength MembersSynthetic Wire RopeIndustrial Fabric YarnsWire Harness Yarns	RipcordsStrength MembersBinder YarnIndustrial Fabric YarnsWire Harness Yarns	RipcordsStrength MembersBinder YarnIndustrial Fabric YarnsWire Harness Yarns	Industrial Fabric Yarns Wire Harness Yarns Strength Members

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MOVING HIGH PERFORMANCE FIBERS FORWARD

Our wide variety of performance enhancing coatings are developed to improve the natural characteristics of synthetic fibers. This leading portfolio of fiber solutions is developed through advancements in tensioning equipment, coating/wiping tooling, and curing technology. Our experienced research & development and engineering teams are constantly developing and testing new coating technology to diversify our product offering and meet the specific needs of our customers.

Fiber-Line Performance Enhancing Coatings feature:

- 100% water based or non-solvent resin formulations
- · Carefully selected, regulatory compliant raw materials and chemicals
- Custom formulations designed to meet specific application requirements
- Formulations designed for compatibility with specific fiber substrates or processing conditions

Contact us today to determine the fiber-based solution that is right for your product.



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