L&L Products

T-LINK

T-LINK TECHNOLOGY

BEYOND LIMITS

An advanced engineering thermoplastic resin with excellent adhesive properties for ultimate performance and processability.

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L&L Products

T-LINK

YARN

REINFORCEMENT FOR TEXTILE APPLICATIONS

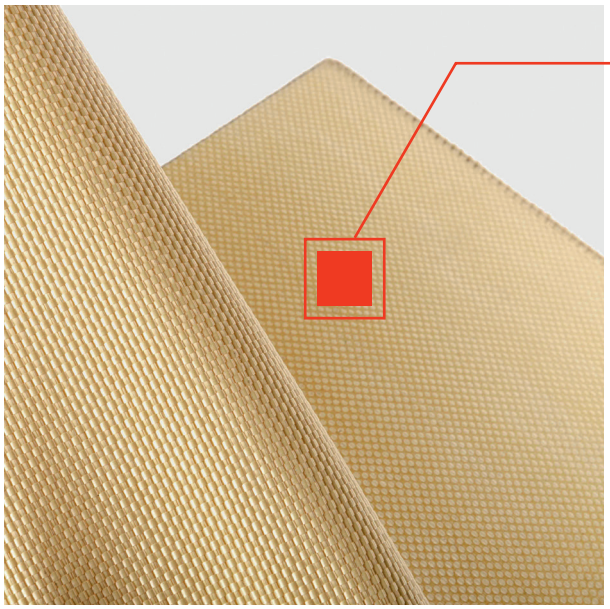
Our novel yarn is used as a vehicle to introduce a resin into an advanced composite fabric in order to achieve high strength, toughness, and ease of use.

T-Link™ yarn can effectively be co-woven or sewn into textile applications to make a dry thermoplastic composite with targeted and precise control of resin content.

Melt Index (dg/min @ 190°C): 30

PRODUCT	GRADES	WHAT DOES IT ENABLE
COATED ARAMID YARN	– 930 dTex Coated to 1650 dTex[1] – 1680 dTex Coated to 2600 dTex[2] – 3360 dTex Coated to 5250 dTex[2]	– Can be co-woven with reinforcement fibers to create a drapable fabric with a very consistent and precise resin content that is ready for consolidation
MULTIFILAMENT YARN	– 400 denier 24 filament[2] – 1000 denier 48 filament[2]	– Enables commingling with reinforcement fibers – Can be used to create resin impregnated preforms
MONOFILAMENT YARN	– 400–1000 Denier[1]	– 3D printing, stitch yarn for preforms

[1] Development Stage
[2] Commercially Available



KEY PRODUCT ATTRIBUTES

- Reduces the time and labor involved in applying a wet resin system and the subsequent curing of the thermoset resin
- Reduces weight
- Ability to control the thickness of the laminate due to the co-woven feature
- Reduces the layup and process time
- No freezer required
- Control of resin content