



Aramid Fabrics

In a world where traditional materials are increasingly being replaced by lightweight and durable composite materials, Aramid plays an important role. Aramid Fiber, also called Kevlar® or Twaron, is a man-made organic polymer produced as Para- Aramid and Meta- Aramid. Fabrics woven from filaments with low density and high strength are generally produced loom-state. It is often preferred in industrial applications where impact strength and flexibility are required at the same time. It is used in the manufacture of composite parts with epoxy resins and especially in ballistic applications in the production of vests, helmets and armor.

Properties

- High Strength
- Low Density
- High Impact and Abrasion Resistance
- High Temperature Resistance

ARAMID FABRICS									
Type	Standard width	Weight	Weave	Thread Count		Construction		Thickness	Roll length
	cm	g/m2		Warp	Weft	Warp	Weft	mm	Linear meter
CMAT 170	100/127	170	Twill 2/2	5.1	5.1	1580 Dtex	1580 Dtex	0.18	100
CMA5S 205	100/127	205	5H Satin	6.2	6.2	1580 Dtex	1580 Dtex	0.20	100
CM B-AP 930	130	205	Plain	10.5	10.5	930 Dtex	930 Dtex	0.20	100
CM AT 310	100/127	310	Twill	4.5	4.5	3160 dtex	3160 dtex	0,4	100
CM B-AP 3360	130/150	460	Plain	6.7	6.7	3360 Dtex	3360 Dtex	0.40	50
CM AT 470	100/127	410	Twill	8,0	6,5	3160 dtex	3160 dtex	0,97	100

Aramid Fabrics are also known as Aromatic Polyamide. It is obtained from artificial and strong fibers. They are also considered as composite materials. They have a common coefficient of thermal expansion. It is a very useful type of fabric, especially for people where high temperature dissipation is required. It first emerged in 1970. With its emergence, it was quickly tested. Then it was reinforced with glass fiber and started to be used for weight loss. It is a product that has many different types. It is also made of materials that are resistant to heat.

What are Aramid Fabric Features?

Aramid Fabrics are products with different properties. It has a high level of durability. The fabric also has a very good tear resistance. It has a non-conductive structure. The fabric is also resistant to heat. It has a low rate of flammability. Flame retardant feature is among the other features of the fabric. It is obtained with reliable fabrics. It is a product that provides a low level of flexibility when it reaches the breaking point.

What are Aramid Fabric Types?

Aramid Fabrics are products with different types. Fabrics are basically divided into two different types. Meta-Aramid and the other is Para-Aramid. These types have different features within themselves.