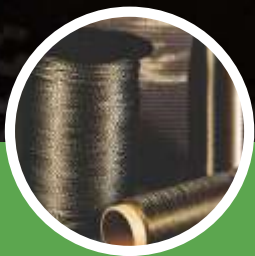


HYBRID FABRICS



**High Strength
Fiberglass**



Basalt Fiber



Quartz Fiber



High Silica



Aramid

Hybrid Fabric Carbon Fiber + Aramid Fiber

Application

The above products could be mainly used in aerospace fields, also they could be widely used in civil market such as spare parts of automobiles, pressure vessel, ship body, sports equipment, fabric facilities, medical equipment, auto spare parts, friction and sealing materials, the cells for phone and computer, etc.

Code	Fiber Type		Woven pattern	Liner density (10mm)		Size (mm)		Area weight (g/m ²)
	Warp	Welt		Warp	Welt	Width	Thickness	
402-111	3k	1100d	Plain	5.5	5.5	100-1500	0.26	165
402-112	1100d	3k	Plain	5.5	5.5	100-1500	0.26	165
402-113	3k	1100d	Plain	6	6	100-1500	0.28	185
402-114	1100d	3k	Plain	6	6	100-1500	0.28	185
402-115	3k	1100d	Plain	5	5	100-1500	0.28	185
402-116	1680d	3k	Plain	5	5	100-1500	0.28	185
402-117	3k	1680d	Twill	7	7	100-1500	0.32	260
402-118	1680d	1680d	Twill	7	7	100-1500	0.32	260

Physical Properties

Mechanical Properties		Thermal Properties	
Thermal Properties Density (g/m ²)	2.2	Thermal Expansio Coefficient	5.5x10-7 cm/cm.°c
Mohs Hardness	6-7	(20°C --- 320°C)	
Compressive Resistance (Mpa)	1100		
Tensile Strength (Mpa)	50	Thermal Conductivity (20°C)	1.4 w/m.°C
Crystallization Resistance (Mpa)	65		670 J/kg.°C
Torsional Strength	30	Specific Heat (20°C)	1730
Bulk Elastic Modulus (Mpa)	3.7 x 104	Softening point (°C)	1180
Modulus Of Rigidity (Mpa)	3.1 x 104	Annealing Temperature (°C)	1080
Young's Modulus	7.2 x 104	Strain Point (°C)	
Poisson Ratio	0.17		
Electrical Properties			
Resistivity (20°C 1000°C)		1 x 1018 Ω .cm 1 x 106 Ω.cm	
Dielectric Constant		3.78	
Insulation Strength		5x107 V/m	
Dielectric Absorption Coefficient		<4 x 10-4	
Dielectric Loss Coefficient		<1 x 10-4	

Chemical Impurities

Item	Typical Mean Value (ppm)													
	AL	B	Ca	Co	Cu	Fe	K	Li	Mg	Mn	Na	Ni	Ti	OH
FLH211/311/310/312	22.00	0.20	1.50	0.10	0.01	1.50	2.00	2.00	0.30	0.50	2.00	0.10	2.00	240
FLH221/321/320/322	16.20	0.08	0.50	-	<0.05	0.23	0.60	0.90	<0.05	<0.05	0.90	<0.05	1.30	240
FLH261/361/360/362	8.00	0.04	0.60	-	<0.05	0.15	0.07	0.15	<0.05	<0.05	0.08	<0.05	1.40	240
FLH101/301/300	0.09	0.04	0.02	0.01	0.01	0.03	0.02	0.02	0.01	0.01	0.03	0.01	0.02	1000
FLH422	16.20	0.08	0.50	-	<0.05	0.23	0.90	0.90	<0.05	<0.05	0.90	<0.05	1.30	<10

ATT PROFILE

Arrow Technical Textiles Pvt. Ltd. is a dynamic young company offer world-class composite fibers such as High Strength Fiberglass, High Silica, Basalt Fiber, Carbon Fiber, Aramid and Kevlar, EMI (electromagnetic induction) and ESD (electrostatic sensitive devices) Fibers, and Filtration Media.

ATT Business Verticals encompass Insulation Tech, Environ-Tech, Filter-Tech, Build-Tech, Pro-Tech and Advanced Composite.

At ATT our core purpose is to provide innovative solutions in advanced industrial fiber and fabric to Indian Industry and SAARC nations with a sustainable ecological environment commitment.

When it comes to advanced composite industrial materials ATT is a leader based on our global experience and deep-domain-knowledge which in turn provides your business with a cutting edge in today's ever challenging business environment. So when you think of environment friendly composite materials, always think of us. ATT is here to form long-term business relations with you that may blossom into enduring partnerships which will contribute to India's overall progression to becoming a global industrial superpower.

WHY US?

We are leading company with various striking features.

- › Quality Products and Reliable Services
- › Client Centric Approach
- › Highly Competitive Prices
- › Strong Logistics
- › Cost Effective Customization Services



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