

CFR PAN Fiber Product Application Matrix

Product Form & Application Matrix, 62% Carbon Content, Reclaimed Carbon Fiber

Product Application	Fiber Length	Broadgood Form	Description
Mattress Flame Resistant Covers	1/4 - 3/4"	Nonwoven Veil	<i>No transferable chemical coatings, very low toxic gas emission during fire,</i>
	1 - 2"	Thread ---> Fabric	<i>No transferable chemical coatings, very low toxic gas emission during fire, can be blended with cotton while retaining fire retardant properties.</i>
Furniture Flame Resistant Covers / Layers	1/4 - 3/4"	Nonwoven Veil	<i>No transferable chemical coatings, very low toxic gas emission during fire,</i>
	1 - 2"	Thread ---> Fabric	<i>No transferable chemical coatings, very low toxic gas emission during fire, can be blended with cotton</i>
Pultrusion Thermal Panels	1/4 - 3/4"	Nonwoven Veil	<i>Improved thermal properties, weight reduction, improved strength and toughness, non-corrosive.</i>
	2 - 3"	Air-Laid Needled Mat	<i>Improved thermal properties, weight reduction, improved strength and toughness, non-corrosive.</i>
Automotive Insulation	1/4 - 3/4"	Nonwoven Veil	<i>Lightweight, withstands extreme temperatures, acoustical insulation, black in color.</i>
	2 - 3"	Air-Laid Needled Mat	<i>Lightweight, withstands extreme temperatures, acoustical insulation, easily conforms to contours, black in color.</i>
Furnace Rigid Board Insulation	2 - 3"	Air-Laid Needled Mat	<i>Capable of extreme temperatures, withstands open flames with low toxic gas emission, low coefficient of thermal expansion, low density, increased resistance to chemical deterioration and moisture absorbance.</i>

Product Application	Fiber Length	Broadgood Form	Description
Carbon / Carbon Brakes - Trucks & Heavy Construction Equipment	2 - 3"	Air-Laid Needled Mat	<i>Reduced raw material price, increased maintenance intervals, weight reduction, high temperature capability, reduced dust generation, non-corrosive.</i>
Carbon / Carbon Brakes - High Performance Auto & Racing	2 - 3"	Air-Laid Needled Mat	<i>Reduced raw material price, increased maintenance intervals, weight reduction, high temperature capability, reduced dust generation, non-corrosive.</i>
Fireproof Clothing / Racing Suits	1 - 2"	Thread ---> Fabric	<i>No transferable chemical coatings, very low toxic gas emission during fire, can be blended with cotton while retaining fire retardant properties.</i>
Thermal Tape	1/4 - 3/4"	Nonwoven Veil	<i>Capable of extreme temperatures, withstands open flames with low toxic gas emission, low coefficient of thermal expansion, low density, increased resistance to chemical deterioration and moisture absorbance.</i>
Welding Blankets	2 - 3"	Air-Laid Needled Mat	<i>Lightweight, withstands extreme temperatures, easily conforms to contours, withstands open flame with very low toxic gas emission.</i>
	1 - 2"	Thread ---> Fabric	<i>Lightweight, withstands extreme temperatures, easily conforms to contours, withstands open flame with very low toxic gas emission.</i>
Railway Carbon / Carbon Brakes	2 - 3"	Air-Laid Needled Mat	<i>Reduced raw material price, increased maintenance intervals, weight reduction, high temperature capability, reduced dust generation, non-corrosive.</i>