

**Pyromex®** are oxidized polyacrylonitrile (PAN) fibers. These fibers have a Limiting Oxygen Index (L.O.I.) of between 35 - 55 % oxygen, making Pyromex® much more flame resistant than many other organic fibers such as PBI® (41 %), Nomex® (30 %) or Kevlar® (28 %). For carbon/carbon applications such as aircraft brakes and automotive clutches, the low sodium content of these fibers may aid in processing and performance.

For aerospace applications these products are manufactured in the USA (Pyromex®-A) and Japan (Pyromex®-J) to an approved PCD (Process Control Document).

		<b>Pyromex® J / A CPX 1.6d 320K non-crimped tow</b>	<b>Pyromex® J / A CPX 2d 312K non-crimped tow</b>	<b>Pyromex® J / A CPX 2d crimped staple fiber</b>
Number of filaments		320,000	312,000	
Linear density	den	1.6	2.0	2.0
	dtex	1.8	2.2	2.2
Tow yield (dry)	ktex	53	63	
Cut length	mm			51/65*
Number of crimps	1/25mm			6 - 12
Crimp ratio	%			8 - 22
* other cut length on request				
<b>Characteristics (typical values)</b>				
Strength (dry)	g/den	2	2,3	2,3
	cN/dtex	1.8	2,0	2,0
Elongation (dry)	%	17	20	20
Density	g/cm <sup>3</sup>	1.38	1.41	1.41
Moisture content	%	7	7	16
Finish	%	0.45	0.5	0.5
LOI		35 - 45	45 - 55	45 - 55
Weight per box, net	kg	145	145	100

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