



ARGOSY ARAMID HONEYCOMB

ARGOSY ARAMID PAPER HONEYCOMB CORE

ARGOSY Aramid Paper Honeycomb Core is a kind of sandwich structure composite made of aramid paper by printing, stacking, thermal pressing, stretching, dipping, curing, slicing, and other machining processes, and by dipping in fire-resistant phenolic resin. Aramid paper has a range of features such as good resin infiltration, high specific strength and stiffness, excellent corrosion resistance and self-extinguishment, better weather resistance and insulation, good penetrating electromagnetic wave property, and high stability. It is available in different cell sizes such as 3.2 mm, 4.0 mm, 4.8 mm, 6.4 mm and 9.6 mm, with the density ranging from 24 kg/m³ to 144 kg/m³. It has regular cell sizes, even density and consistent color, and its physical property, mechanical property, and fire-resistance property can meet the material standard of civil aircraft. It has passed the professional certification of the aviation industry of China. Automated production line (annual capacity 5000 m³) can produce large-sized honeycomb up to 2,440 mm(W), 1,220 mm(L), and 914 mm(H), leading the industry's efficiency and technology.

TYPICAL APPLICATIONS

ARGOSY Aramid Paper Honeycomb Core is widely used in aircraft, rockets, spacecraft, satellites, high-speed trains, ships, automobiles, construction, sports equipment, and other fields.

TECHNICAL DATA

MECHANICAL PROPERTIES OF COMMERCIAL GRADE HONEYCOMB AT ROOM TEMPERATURE

PRODUCT DESCRIPTION	DATA TYPE	BARE COMP. /MPa		STAB. COMP. /MPa		L SHEAR PROPERTIES /MPa		W SHEAR PROPERTIES /MPa	
		STRENGTH	MOD	STRENGTH	MOD	STRENGTH	MOD	STRENGTH	MOD
ACCH-2-1/8-1.8	MIN AVG.	115	130	-	-	92	4.6	54	2.1
	MIN IND.	113	127	-	-	88	4.2	52	2.0
ACCH-2-1/8-1.8	MIN AVG.	112	117	-	-	89	4.6	53	2.4
	MIN IND.	105	115	-	-	87	4.3	52	2.2
ACCH-2-1/8-1.8	MIN AVG.	90	113	-	-	89	4.1	54	2.4
	MIN IND.	84	80	-	-	86	4.0	53	2.3
ACCH-2-1/8-3.0	MIN AVG.	328	331	-	-	190	7.1	113	3.9
	MIN IND.	322	319	-	-	183	6.8	112	3.8
ACCH-2-1/8-3.0	MIN AVG.	299	329	-	-	189	7.7	126	4.8
	MIN IND.	294	325	-	-	181	7.4	123	4.7
ACCH-2-1/8-3.0	MIN AVG.	315	303	-	-	191	7.5	124	4.6
	MIN IND.	305	289	-	-	187	7.5	122	4.5

*Information contained above is typical only and should be verified for any specific applications.

FOR ADDITIONAL INFORMATION

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For more information, please visit argosyinternational.com

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