

PAA-CORE® 5052 Aluminum Honeycomb Product Data Sheet Page 2 of 4

HOW TO ORDER

When ordering, please specify PAA-CORE®



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lbs/ft ³ - inches - inches	Stabilized Compressive Strength MPa		Crush Strength	Shear Strength				Shear Modulus MPa	
				MPa					
				L		V	٧	L	W
	23° C	177° C	23° C	23° C	177° C	23° C	177° C	23	° C
3.1 - 1/80007	2.10	1.38	1.00	1.48	1.00	0.91	0.62	221	110
4.5 - 1/80010	4.00	2.62	1.86	2.38	1.65	1.55	1.03	352	172
6.1 - 1/80015	7.10	4.55	3.10	3.90	2.76	2.38	1.52	531	255
8.1 - 1/80020	10.86	7.41	5.24	5.58	3.96	3.72	2.14	772	345
10.0 - 1/80025	12.93	8.96	7.38	7.41	5.58	4.21	2.86	965	414
12.0 - 1/80030	20.13	10.69	9.65	13.48*	8.96*	6.55*	3.03*	1103	517
2.6 - 5/320007	1.69	1.03	0.72	1.17	0.76	0.70	0.55	165	83
3.8 - 5/320010	2.86	1.93	1.45	1.90	1.38	1.16	0.97	283	138
2.0 - 3/160007	1.24	0.69	0.48	0.84	0.55	0.49	0.45	117	62
3.1 - 3/160010	2.34	1.38	1.00	1.48	1.00	0.88	0.62	221	110
4.4 - 3/160015	3.83	2.59	1.86	2.31	1.62	1.52	1.00	345	165
5.7 - 3/160020	6.00	4.14	2.83	3.21	2.62	2.10	1.38	483	234
6.9 - 3/160025	8.17	5.38	3.93	4.14	3.45	2.62	1.90	627	290
8.1 - 3/160030	11.96	7.41	5.24	5.07	3.96	3.38	2.14	772	345
2.3 - 1/40010	1.48	0.86	0.59	1.00	0.62	0.61	0.48	145	76
3.4 - 1/40015	2.59	1.62	1.10	1.62	1.10	1.00	0.69	241	124
4.3 - 1/40020	3.76	2.52	1.72	2.24	1.62	1.41	0.97	331	165
5.2 - 1/40025	5.31	3.45	2.28	2.86	2.28	1.86	1.10	427	214
6.0 - 1/40030	7.65	4.48	2.96	3.69	2.69	2.41	1.45	517	248
7.9 - 1/40040	10.38	7.07	4.96	4.90	3.79	3.10	2.07	745	338
1.6 - 3/80010	0.68	0.48	0.34	0.61	0.41	0.35	0.24	90	41
2.3 - 3/80015	1.41	0.86	0.59	1.00	0.62	0.61	0.48	145	76
3.0 - 3/80020	2.17	1.31	0.93	1.41	0.97	0.88	0.59	207	103
3.7 - 3/80025	2.86	1.83	1.38	1.76	1.31	1.14	0.72	276	138
4.2 - 3/80030	3.90	2.34	1.65	2.17	1.59	1.41	0.90	324	159
5.4 - 3/80040	5.58	3.72	2.48	3.00	2.45	1.97	1.24	455	221
6.5 - 3/80050	7.00	5.17	3.52	3.83	3.03	2.48	1.83	572	276
4.0 - 1/20040	2.76	2.21	1.52	2.00	1.52	1.17	0.83	303	152

For minimum values, please see AMS-C-7438.

Updated: 01/17/23

^{*} Beam Shear

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