

**Mechanical Properties**

Designation	Cell size		Density kg/m <sup>3</sup>	Compression Strength	L-Shear	W-Shear
	mm			N/mm <sup>2</sup>	N/mm <sup>2</sup>	N/mm <sup>2</sup>
ECA-I	3.2	-	48	1.90	1.16	0.62
ECA-I	3.2	-	64	3.10	1.48	0.82
ECA-I	3.2	-	80	4.70	1.95	1.05
ECA-I	3.2	-	96	6.60	2.45	1.42
ECA-I	3.2	-	128	11.30	2.95	1.78
ECA-I	3.2	-	144	13.20	3.05	1.90
ECA-I	4.0	-	29	0.60	0.45	0.26
ECA-I	4.0	-	80	5.10	1.90	0.98
ECA-I	4.8	-	32	0.90	0.58	0.36
ECA-I	4.8	-	48	2.60	0.98	0.56
ECA-I	4.8	-	64	3.40	1.70	0.92
ECA-I	4.8	-	80	6.00	1.95	1.10
ECA-I	4.8	-	96	7.30	2.26	1.32
ECA-I	6.4	-	24	0.54	0.34	0.18
ECA-I	6.4	-	32	0.80	0.54	0.30
ECA-I	6.4	-	48	2.05	1.00	0.56
ECA-I	6.4	-	64	3.40	1.54	0.79
ECA-I	9.6	-	24	0.52	0.32	0.16
ECA-I	9.6	-	32	0.68	0.56	0.29
ECA-I	9.6	-	48	1.80	1.15	0.66
ECA-R-I	4.8	-	29	0.60	0.31	0.32
ECA-R-I	4.8	-	48	2.30	0.60	0.72
ECA-R-I	4.8	-	64	3.80	0.72	0.90
ECA-R-I	4.8	-	72	4.00	0.75	0.92
ECA-R-I	4.8	-	80	5.30	0.88	1.17
ECA-R-I	4.8	-	96	6.70	0.92	1.28
ECA-R-I	6.4	-	48	2.30	0.60	0.72
ECA-R-I	6.4	-	64	3.20	0.72	0.90

This table presents average values of ECA-I honeycomb obtained from testing specimens of 12,7mm thickness at RT. All data are representative at the nominal product density. Data is based on gain from experience and tests and is believed to be accurate yet without acceptance of liability for loss or damage incurred and attributable to reliance there on as conditions of use lie outside our control.

Density tolerances +/-16%.

PREPARED BY: B. Kronauer

ACCEPTED BY: J. Busshuven

APPROVED BY: E. Rzepka

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