

EC-PI Industry-Panels: all applications

EC-PI	133NB	235NB	136PE	136AE	216AR	616AS	616AT	616AV	626AS	626AT	626AV	
<b>Panel construction</b>												
- Face sheets	1 x Epoxy Glass	1 x Phenolic Glass	2 x Epoxy Glass	2x Epoxy Glass	1x Phenolic Glass	Metal sheet: AlMg3 (5754)						
						0.6 mm	0.8 mm	1.0 mm	0.6 mm	0.8 mm	1.0 mm	
- Core	ECA-I 3.2-64	ECA-I 4.8-32	ECP 6.4-42	ECM 6.4-82	ECM 6.4-82	ECM 6.4-82			ECM 6.4-82			
- Adhesive	Epoxy	Phenolic	Epoxy	Epoxy	Phenolic	PO-based			Epoxy-based			
<b>Properties</b>												
<b>Thickness (ASTM C366)</b>	10 mm ± 0.3 mm											
<b>Areal Weight (ASTM D898)</b> (kg/m <sup>2</sup> )	1.88	1.80	2.50	3.20	2.10	4.30	5.30	6.40	4.60	5.40	6.66	
<b>Compression strength (ASTM C365)</b> (N/mm <sup>2</sup> )	3.10	2.86	1.40	4.25	4.25	4.25	4.25	4.25	4.25	4.25	4.25	
<b>Peel strength (ASTM D1781)</b>												
L-Direction (N/76 mm)	180	110	70	130	200	>220			>300			
W-Direction (N/76 mm)	129	150	70	130	200	>220			>300			
<b>Long beam test (ASTM C393)</b>												
L-Direction (N)	590	580	1080	1260	680	1550	1650	1730	1700	2530	3360	
W-Direction (N)	720	760	680	1300	610	1250	1410	1570	1540	2090	2560	
<b>Deflection at 450N (ASTM C393)</b>												
L-Direction (mm)	34.00	27.30	20.00	20.80	34.60	5.30	4.20	3.40	4.90	4.13	3.76	
W-Direction (mm)	33.30	23.65	24.00	18.20	32.10	5.50	4.50	3.45	5.44	4.43	4.00	
<b>Short beam test (ASTM C393)</b>												
L-Direction (N)	2060	1280	1510	3250	2490	3940	1950	2055	3170	3520	4040	
W-Direction (N)	1360	910	740	1820	1665	1700	1810	1930	1940	2520	3070	
<b>Flammability in accordance</b>												
DIN 5510, Part 2	N/A								S5 / SR2 / ST2			
NF F 16101									M1 / F0			
SOLAS 74, 2000HSCode, IMO FTPCode									OK			
<b>Service temperature range</b>	von -55°C bis +80°C								von -55°C bis +100°C			

**Note:** The data presented are based upon results of testing under ideal laboratory conditions. We recommend that these values should be viewed as showing capability and performance of the product. Hence they should not be interpreted as fixed minima for specification purposes.