

3. HIGH VOLTAGE ETCHED FOILS TECHNICAL SPECIFICATIONS

3.1 - LOW GAIN

		Unit	Testing method	H200-2	H200-3
Al purity		%		99.99	99.99
Thickness		μm		80	80
Bursting		kg/cm ²	EC1	≥1.4	≥1.3
Bending after forming at 450V		number	PL3	≥40	≥40
Indicative area / weight ratio		m ² /kg		5.5	5.8
Type of etching				porous	porous
Capacitance	250V	μF/cm ²	M4D	0.800	0.900
	450V	μF/cm ²	M4D	0.400	0.450
	600V	μF/cm ²	M4D	0.270	0.300
Capacitance tolerance				+10%	+10%
				-10%	-10%

3.2 - STANDARD GAIN

		Unit	Testing method	H100-2	H100-3	H100-4	H100-5	H100-6	H140-6
Al purity		%		99.99	99.99	99.99	99.99	99.99	99.99
Thickness		μm		90	90	90	102	102	102
Bursting		kg/cm ²	EC1	≥1.5	≥1.4	≥1.4	≥1.5	≥1.5	≥1.4
Bending after forming at 450V		number	PL3	≥100	≥100	≥100	≥100	≥70	≥70
Indicative area / weight ratio		m ² /kg		5.4	5.6	6.0	5,1	5.2	5.4
Type of etching				solid core	solid core	solid core	solid core	solid core	solid core
Capacitance	250V	μF/cm ²	M4D	1.150	1.250	1.400	1.510		
	450V	μF/cm ²	M4D	0.515	0.560	0.615	0.664	0.704	0.739
	600V	μF/cm ²	M4D	0.340	0.370	0.400	0.432	0.458	0.481
Capacitance tolerance				+10%	+10%	+10%	+10%	+10%	+10%
				-10%	-10%	-10%	-10%	-7%	-7%

- All etched products are not pre-hydrated when delivered. The same foils can also be delivered pre-hydrated, in which case you should replace 0 by 1 in third digit of foil code. For example, no pre-hydration H100-4, pre-hydrated H101-4.
- $\mu\text{F}/\text{in}^2 = 6.451 \mu\text{F}/\text{cm}^2$