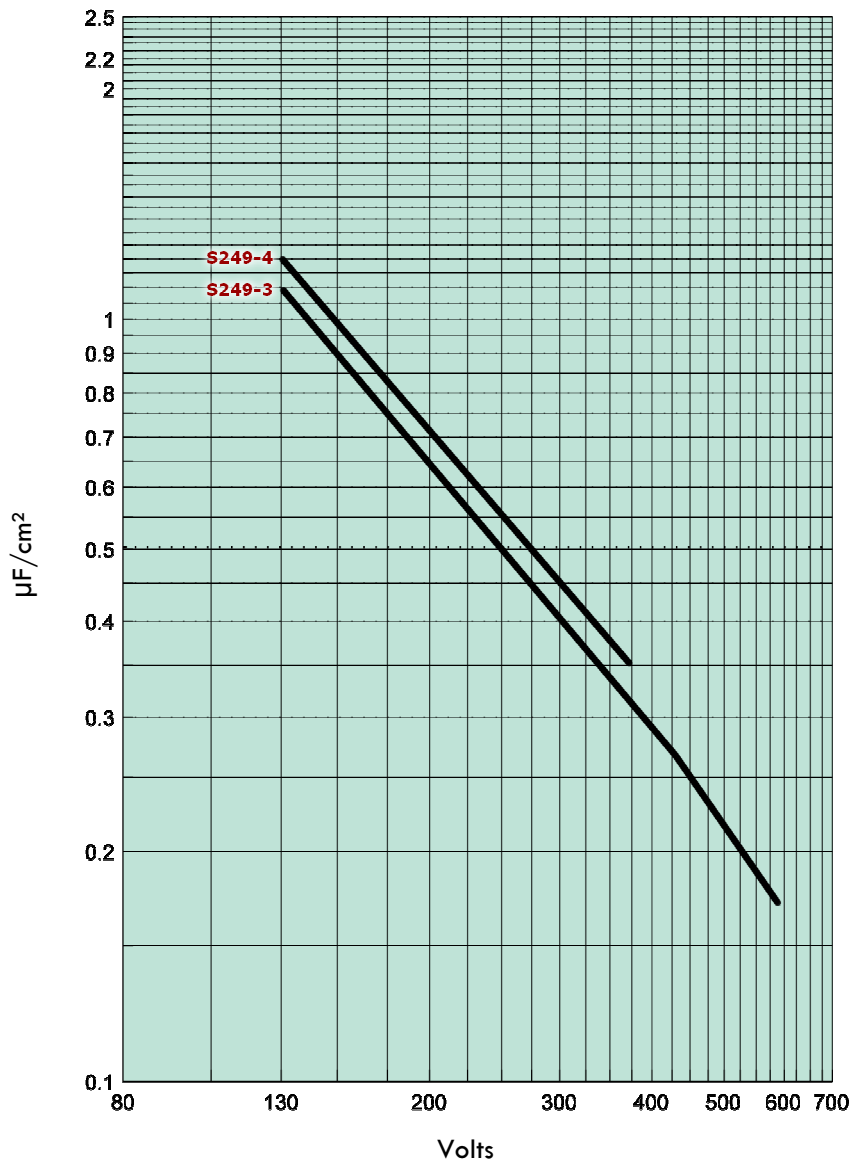


## 5. MOTOR START FORMED FOILS TECHNICAL SPECIFICATIONS

### 5.2 - HEAVY DUTY

	Unit	Testing method	S249-3	S249-4
Al purity	%		99.99	99.99
Thickness	μm		80	80
Hanging bar (EIAJ)	mm	HB1	< 6	< 6
Hydration resistance		ST3	no	no
Indicative area / weight ratio at 450V	m <sup>2</sup> /kg		5,2	5.4*
Capacitance tolerance	%		+10% -10%	+10% -10%

\* m<sup>2</sup>/kg after forming at 350V



**NOMINAL CAPACITANCE VERSUS FORMING VOLTAGE** $(\mu\text{F}/\text{cm}^2)$ 

Vn	S249-3	S249-4
130	1.092	1.201
135	1.049	1.154
140	1.009	1.110
145	0.972	1.069
150	0.932	1.025
155	0.900	0.990
160	0.871	0.958
165	0.842	0.926
170	0.815	0.897
175	0.790	0.869
180	0.762	0.838
185	0.741	0.815
190	0.719	0.791
195	0.699	0.769
200	0.680	0.748
205	0.661	0.727
210	0.641	0.705
215	0.625	0.688
220	0.609	0.670
225	0.594	0.653
230	0.579	0.637
235	0.566	0.623
240	0.553	0.608
245	0.539	0.593
250	0.525	0.578
255	0.514	0.565
260	0.503	0.553
265	0.492	0.541
270	0.481	0.529
275	0.472	0.519
280	0.462	0.508
285	0.452	0.497
290	0.442	0.486
295	0.434	0.477
300	0.425	0.468
305	0.417	0.459
310	0.409	0.450
315	0.402	0.442
320	0.394	0.433
325	0.386	0.425
330	0.378	0.416
335	0.372	0.409
340	0.365	0.402
345	0.359	0.395
350	0.353	0.388
355	0.347	0.382
360	0.341	0.375
365	0.335	0.368

Vn	S249-3	S249-4
365	0.335	0.368
370	0.328	0.361
375	0.323	0.355
380	0.318	0.350
385	0.314	
390	0.309	
395	0.304	
400	0.299	
405	0.294	
410	0.289	
415	0.285	
420	0.280	
425	0.277	
430	0.273	
435	0.269	
440	0.265	
445	0.261	
450	0.256	
455	0.252	
460	0.248	
465	0.245	
470	0.242	
475	0.239	
480	0.235	
485	0.232	
490	0.228	
495	0.225	
500	0.221	
505	0.219	
510	0.216	
515	0.213	
520	0.210	
525	0.207	
530	0.203	
535	0.201	
540	0.198	
545	0.196	
550	0.194	
555	0.192	
560	0.189	
565	0.186	
570	0.183	
575	0.181	
580	0.179	
585	0.177	
590	0.174	
595	0.172	
600	0.170	