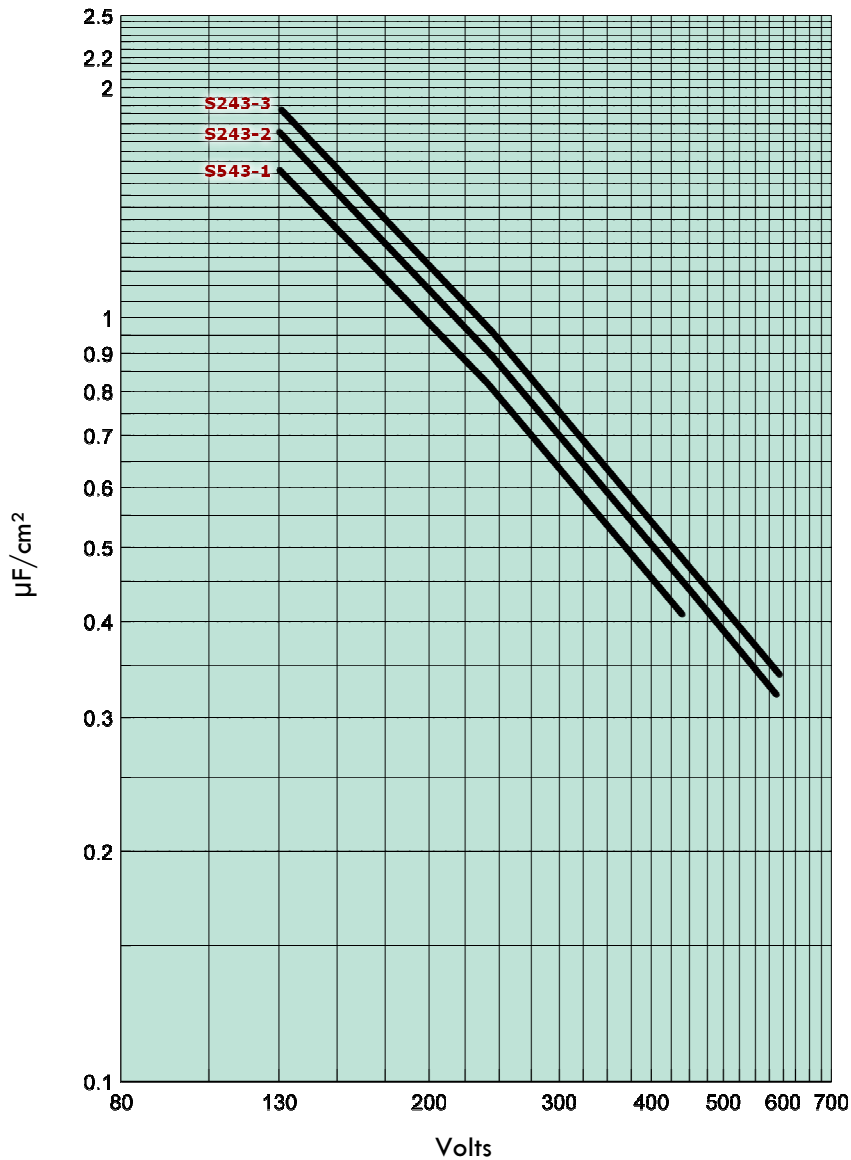


## 5. MOTOR START FORMED FOILS TECHNICAL SPECIFICATIONS

### 5.1 - STANDARD DUTY

	Unit	Testing method	S543-1	S243-2	S243-3
Al purity	%		99.99	99.99	99.99
Thickness	μm		70	80	80
Bending	number	PL3	≥40	≥40	≥40
Hydration resistance		ST3	yes	yes	yes
Indicative area / weight ratio at 450V	m <sup>2</sup> /kg		5,9	4,9	5,1
Capacitance tolerance	%		+10% -10%	+10% -10%	+10% -10%



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

Vn	S543-1	S243-2	S243-3
130	1.576	1.751	1.891
135	1.526	1.696	1.832
140	1.453	1.614	1.743
145	1.427	1.586	1.713
150	1.378	1.531	1.653
155	1.333	1.481	1.599
160	1.292	1.435	1.550
165	1.253	1.392	1.503
170	1.216	1.351	1.459
175	1.181	1.312	1.417
180	1.148	1.276	1.378
185	1.117	1.241	1.340
190	1.087	1.208	1.305
195	1.059	1.177	1.271
200	1.033	1.148	1.240
205	1.005	1.117	1.206
210	0.976	1.085	1.172
215	0.951	1.056	1.140
220	0.925	1.027	1.109
225	0.901	1.001	1.081
230	0.877	0.975	1.053
235	0.856	0.951	1.027
240	0.834	0.927	1.001
245	0.814	0.905	0.977
250	0.794	0.883	0.954
255	0.776	0.863	0.932
260	0.758	0.842	0.909
265	0.741	0.823	0.889
270	0.724	0.804	0.868
275	0.708	0.787	0.849
280	0.692	0.769	0.831
285	0.678	0.753	0.813
290	0.663	0.737	0.796
295	0.650	0.722	0.779
300	0.636	0.706	0.762
305	0.623	0.692	0.747
310	0.610	0.678	0.732
315	0.598	0.665	0.718
320	0.586	0.651	0.703
325	0.577	0.641	0.692
330	0.568	0.631	0.681
335	0.559	0.621	0.671
340	0.550	0.611	0.660
345	0.542	0.602	0.650
350	0.533	0.593	0.640
355	0.526	0.584	0.631
360	0.518	0.575	0.621
365	0.511	0.567	0.612

Vn	S543-1	S243-2	S243-3
365	0.511	0.567	0.612
370	0.503	0.559	0.604
375	0.496	0.551	0.595
380	0.489	0.543	0.586
385	0.482	0.536	0.578
390	0.475	0.528	0.570
395	0.469	0.521	0.563
400	0.462	0.514	0.555
405	0.456	0.507	0.548
410	0.450	0.500	0.540
415	0.445	0.494	0.533
420	0.439	0.487	0.526
425	0.434	0.481	0.519
430	0.428	0.475	0.513
435	0.423	0.469	0.507
440	0.417	0.463	0.500
445	0.412	0.458	0.494
450	0.407	0.452	0.488
455		0.446	0.482
460		0.440	0.475
465		0.435	0.469
470		0.429	0.463
475		0.423	0.457
480		0.417	0.450
485		0.412	0.445
490		0.407	0.440
495		0.402	0.434
500		0.397	0.429
505		0.392	0.423
510		0.387	0.418
515		0.383	0.413
520		0.378	0.408
525		0.373	0.403
530		0.368	0.397
535		0.364	0.393
540		0.360	0.389
545		0.356	0.384
550		0.351	0.379
555		0.347	0.375
560		0.343	0.370
565		0.339	0.366
570		0.335	0.362
575		0.332	0.358
580		0.328	0.354
585		0.324	0.350
590		0.320	0.346
595		0.317	0.342
600		0.313	0.338