MAIN PARAMETERS AND FEATURES

- Raw (plain) foil with aluminum purity \geq 99.99%.

- Thickness:

Thickness, µm	Thickness tolerance, µm	
45 50	±4	
60	±6	
75 110	+5/-10	

- Roll width 500 +2/-4 mm.

- Specific capacitance tolerance is ± 10% from rated value.

- Specific capacitance range of anode foils in roll ≤ 14% shall be calculated according to the formula:

$$Cr = \frac{Cmax - Cmin}{Cav} \times 100\%$$

where

Cmax – maximum specific capacitance in roll, µF/cm²;

Cmin – minimum specific capacitance in roll, μ F/cm²;

Cav – average specific capacitance in roll, μ F/cm².

- Electrical specifications for formed foils:

Foil narameter	Forming voltage, V	
	8V ≤ U _F ≤ 156V	200V ≤ U _F ≤ 630V
Maximum voltage Umax, V	≥ U _F	≥ U _F
Time to reach, max, sec	$T_R 0.9U_F \le (0.2U_F + 150)$	$T_R 0.95U_F \le (U_F / 2 + 30)$
Time to reach after hydration, sec.	(T _R 0.9U _F) ≤ 150	(T _R 0.95U _F) ≤ 250

- Chloride content $\leq 2 \text{ mg/m}^2$.

- Surface of the foil must be free of nicks, crimps, cracks and patches. It is possible to have small openings visible to the naked eye against the light, if they are not clustered or have banded arrangement. The surface of the foils may have different colors. Traces of forming electrolyte and hydroxide on the surface of formed foils are allowed.

- Foil is wound on aluminum core 75 +2/-0 mm.

- Number of connection in roll \leq 2. Connections are glued together by chlorine-free adhesive tape. There is no electrical contact between the two parts of foils.