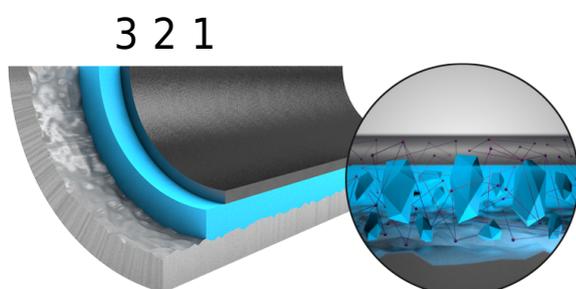


## ILAFILON Resist SP-500

Two-layer system, which convinces with a very good corrosion resistance and an excellent non-stick effect. Thanks to its good scratch resistance, the product is ideally suited for electrical appliances where scratching tools are used. This, for example, for Raclette pans, chocolate fondue pots or others.

[available for EU with Swiss Shield](#)

The selection of suitable substrate materials and adherence to the application and drying processes are essential in order to be able to meet the technical quality and the regulations required in the EU with coated food contact materials.



**ILAFILON Resist SP-500 with Swiss Shield** is a two-layer, barrier-optimized non-stick system with that impresses with its very good performance.

1. Durable, corrosion-resistance non-stick surface for good scratch resistance
2. Barrier-optimized base coat for good durability
3. Specially prepared substrate for an optimum adhesion

## Characteristic

Number of Layer	2
Coating Thickness $\mu\text{m}$	20-25
Curing Temperature $^{\circ}\text{C}$	280
Service Temperature $^{\circ}\text{C}$	250

## Substrates

Substrate	Pretreatment	Suitability
Alu press	alkaline degrease	✓
Alu cast	alkaline degrease	✓
Alu steel	alkaline degrease	✓
Carbon steel	phosphating	✓
Stainless steel	alkaline degrease	✓

## Applications

Application	Pretreatment	Suitability
Bread maker container	-	✗
Bread maker dough hook	-	✗
Panini maker	-	✗
Party grill / electrical grill	-	✗
Mini oven trays	see above	✓
Pizza maker	-	✗
Pancake (Crêpes) plate	see above	✓
Waffle maker	see above	✓
Belgium Waffle maker	see above	✓

Pancake maker	see above	✓
Sandwich maker	see above	✓
Donut maker	see above	✓
Deep fat fryer	-	✗
Hot air fryer	-	✗
Raclette pans	see above	✓✓
Raclette grill plate	-	✗
Microwave (interior)	-	✗
Mini oven (interior)	-	✗
Rice cooker	-	✗
Electrical wok	-	✗
Slow Cooker / Skillet	-	✗
Milk frother	see above	✓✓
Cheese fondue pot	-	✗
Meat fondue pot	-	✗
Chocolate fondue pot	see above	✓✓
Iron soles	-	✗

## Care instructions, PTFE Electric

### Electrical appliances with PTFE - Use and Care Instructions

Non-stick coated items contain PTFE (polytetrafluoroethylene) and are available in one-, two- or three-layer versions, as well as with ceramic-reinforced coatings.

The systems are characterised by good scratch resistance, abrasion resistance, as well as the best non-stick properties. Good cleanability is guaranteed for PTFE-coated parts.

PTFE articles should generally be protected from overheating above 260°C. Overheating leads to a reduction in the non-stick effect and reduced lifespan. Likewise, we do not recommend the use of metal utensils and other sharp objects when using this cookware.

### Notes on use

- Before first use, remove all packaging and labels. Clean the object in liquid detergent and hot water, or rub with a damp cloth and detergent.
- Electrical appliances should never be heated for a long period of time when empty. Do not overheat!
- Make sure that the power cord and the plug do not come into contact the water
- Higher temperatures during heating can cause discolouration and can damage the non-stick layer.
- Use only nylon or wood utensils so as to not damage the surface sealant.

### Cleaning and care

- Clean the pan with hot water, detergent and a sponge cloth, or with the soft side of a cleaning sponge. A soft dish brush can also be used to clean the object.
- Stubborn food residue should first be soaked with hot soapy water.
- Under no circumstances are should you clean the household appliances with the sharp side of a soft sponge or cleaned metal sponges. This will scratch and destroy the non-stick layer.
- Generally speaking, non-stick coated parts that can be detached from the base of the electrical unit can be cleaned in the dishwasher, however, it is not recommended.

## Testing Methods

### Basic Properties

- Suitability for Food Contact
- Visual Aspects
- Dry Film Thickness (DFT)
- Adhesion (Cross hatch)

### Abrasion Tests

- British Standard Abrasion Test

### Non-stick Tests

- Egg-/Milk-/Pancake Test

### Corrosion Tests

- Salt Water Test