



pfluon
NON-STICK COATING

AMBER

series new products

为何琥珀能够在时间的长流中经历风霜依然屹立不倒?

Why does amber remain intact over time despite the elements?

琥珀是古树脂经过长时间的地质变化而形成，原本用以保护树木免受生物侵扰。经地下埋藏、高温高压作用，变为如今所见琥珀。

Amber is formed from ancient tree resin that has undergone geological changes over a long period, originally serving to protect the tree from biological threats. After being buried underground and subjected to high temperatures and pressures, it transformed into the amber we see today.

对鹏孚隆来说，AMBER不仅仅是产品，更是一种对烹饪美好的期许和祝愿。鹏孚隆希望通过AMBER这款不粘涂料产品，给每个家庭带去幸福和美好，让每一位用户都感到快乐与满足。

For PFLUON, AMBER is not just a non-stick product; it represents a hope and blessing for a beautiful future in cooking. We hope that the AMBER will bring happiness and goodness to every family, making every user feel joyful and satisfied.



<div>Product Series</div> <div>Specifications</div>	CERAMICAL	CERAMICAL Aero	CERAMICAL ULTRA	AMBER C3100
涂层结构 Coating System	2层 2-layer	2层 2-layer	2层 2-layer	2层 2-layer
	硅溶胶 Silica sol base	硅溶胶 Silica sol base	硅溶胶 Silica sol base	硅溶胶 Silica sol base
用途 Usage	内涂或外涂 Interior & Exterior	内涂或外涂 Interior & Exterior	内涂或外涂 Interior & Exterior	内涂或外涂 Interior & Exterior
基材 Substrate	铝、不锈钢或镀铝板 Aluminum, stainless steel or aluminum-plated plate	铝、不锈钢或镀铝板 Aluminum, stainless steel or aluminum-plated plate	铝、不锈钢或镀铝板 Aluminum, stainless steel or aluminum-plated plate	铝、不锈钢或镀铝板 Aluminum, stainless steel or aluminum-plated plate
前处理 Pre-treatment	喷砂 Sand-blast	喷砂 Sand-blast	喷砂 Sand-blast	喷砂 Sand-blast
膜厚 DFT	31-45	31-45	31-45	31-45
固化温度 Curing Temperature	280	280	280	280
不粘性 Non-Stick	★★★★	★★★★	★★★★★	★★★★★☆
耐磨性 Abrasion	★★★	★★★☆	★★★★	★★★★☆
附着力 Adhesion	1级 ≤ Grade 1	1级 ≤ Grade 1	1级 ≤ Grade 1	1级 ≤ Grade 1
耐腐蚀性 Corrosion	★★★★	★★★★	★★★★★	★★★★★
特点 Speciality	无机涂料以水和酒精为溶剂，不含PFOA，健康环保； 耐温可达400℃； 优异的耐化学性和耐磨性； 优异的不粘性能，易于清洁。 Inorganic coating with water and alcohol as solvent, PFOA-free, environmental friendly; Temperature resistance to above 400℃; Superior chemical resistance and abrasive resistance; Great non-stick performance, easy to clean.	无机涂料以水和醇为溶剂，无PFOA，环保； 抗流动凹陷，易于加工； 良好的耐盐雾和耐腐蚀性 Inorganic coating with water and alcohol as solvent, PFOA-free, environmental friendly; Flow sag resistance easy to process; Great salt spray and corrosion resistance.	无机涂料以水和醇为溶剂，无PFOA，环保； 优异的耐高温性能，在300℃烘烤后也拥有优异不粘性； 卓越的耐磨性与耐腐蚀性能。 Inorganic coating with water and alcohol as solvent, PFOA-free, environmental friendly; High temperature resistance, still has excellent non-stickiness after baking at 300℃ Extremely abrasion and corrosion resistance.	无机涂料以水和醇为溶剂，无PFOA，环保； 优异的耐高温性能，在350℃烘烤后也拥有优异不粘性； 次世代的耐磨与耐腐蚀性能。 Inorganic coating with water and alcohol as solvent, PFOA-free, High temperature resistance, still has excellent non-stickiness after baking at 300℃ Superior abrasion and corrosion resistance.

► 巅峰表现，全能卓越

Peak Performance,
All-Purpose Excellence

► 耐热、耐化学、耐磨损

Heat&Chemical
&Abrasion Resistance

► 适合大多数类型的烹饪

Suitable for Most
Types of Cooking

10000+
cycles pass



耐磨性
Abrasion Resistance

15N，每500次换面观察，如不粘表面出现裸露基体面宽度超过1mm的磨损或出现10条长度在2mm以上的线形磨痕暴露基体则停止试验。
15N/turnover every 500 times, the test was stopped if the surface width of the bare substrate was more than 1mm on the non-stick surface or 10 linear wear marks with a length of more than 2mm exposed the substrate.

25+
cycles pass



耐盐水测试
Saltwater-resistant non-stickiness

使用纯净水配置5%的盐水，保持沸腾2h后进行煎鸡蛋不粘性测试/循环
Prepare a 5% saltwater solution, maintain a boil for 2 hours, and then conduct a non-stick test for frying eggs in a cycle.

30+
cycles pass



耐洗涤不粘
Detergent-resistant non-stickiness

配置2%的洗涤剂溶液，保温80度1h后进行煮牛奶不粘性测试/循环
Prepare a 2% detergent solution, maintain it at 80 for 1 hour, and then conduct a non-stick test for boiling milk in a cycle.

25+
cycles pass



高温不粘性
Hightemperature resistant nonstickiness test

放置在350℃的烘箱保温30分钟后进行1次煎鸡蛋不粘性测试/循环
Placed in a preheated oven at 350℃ for 30 min, and then conduct non-stick test for frying eggs in a cycle