Technical Data Sheet - 2060 Series

Product Features: Excilon® 2060 series is a nano-inorganic ceramic coating product that meets food contact safety certification and has high hardness, abrasion resistance, high temp. resistance, easy cleaning, corrosion resistance and rich color creativity.

Application: It is suitable for the inner and outer surfaces of various types of cookware (such as frying pans, bakeware, soup pots, etc.) with aluminum alloy, stainless steel and other substrates. In addition to providing decoration and protection, it can also provide products with different functional characteristics.

Performance:

Item	Standard or Test Method	Index
Food Safety	US FDA 21 CFR 175.300	Passed
	EU 84/500/EEC, 2005/31/EC	Passed
	EU ROHS Directive 2011/65/EU	Passed
	EU REACH (EC) No 1907/2006	Passed
	PFOA (3% acetic acid at 100°C for 2 hours, LCMS analysis)	Not Detected
Viscosity (4# Cup)	GB/T6753.4-1998	11-14s
Density	GB/T21862.5-2008	1.1-1.5g/ml
Gloss	GB/T9754-2007	≥40
Hardness	GB/T6739-2006	≥8H
Adhesion	GB1720-1979	≤ Grade 1
Abrasion Resistance	3M7747C scrubbing pad, 0.5% detergent solution, 3KG load, replace pad every 250 cycles	≥6000 cycles
	(LGA Test Method) The bottom of the pot is divided into four areas, with three areas protected with special tape, and steel balls, white corundum, and water are added, with the total amount determined by the diameter of the pot bottom. Shake on a shaker. Every 15 minutes, one area's protective tape is removed in sequence, totaling 45 minutes.	≤ 3 points

Non-stick Property	Fry eggs without oil at 190–210°C	⩾40 eggs
	Boil milk until carbonization	⩾10 cycles
Acid Resistance	Soak in 5% acetic acid solution for 24 hours	No abnormality in coating
Alkali Resistance	Soak in 5% sodium carbonate solution for 24 hours	No abnormality in coating
Thermal Shock Resistance	Heat in an oven at 300°C for 30 minutes, then immediately cool in room-temperature water, repeat for 10 cycles	No abnormality in coating

Precautions:

Storage Conditions: Store in a cool, dry, and dark warehouse.

Storage Period: 90 days

Diluent: Deionized water