

Aroma and Functional Microcapsule

Aroma and functional microcapsule are products created in the process of making fat-soluble liquid aroma and functional micro-encapsulated to increase scent durability. By solidifying the liquid aroma, you can use it in various types for your purpose. These kinds of aroma and functional oil are microencapsulated for purpose to keep long of their aroma smell and functionality and use very widely for textile, paper, plastic, paint and others. It can apply every industry with customer's idea. If use for textile, it is very simple to apply with this microcapsules as normal processing. The particle size, scent durability, and other properties of matter can be adjusted according to purpose of use.

Technical Specification

Properties	
Classification	Aroma and Functional Microcapsule
pH	5.0-8.0
Viscosity(24°C)	20-200cps
Specific Gravity	0.9-1.2
Non-Volatile Matter	20%-30%
Mean Particle Size	1-5 μ m
Harmful Alcohol	Not Used
Flammable	None

Uses & Advantage

Fabrics with knit, fiber, yarn, paper, non-woven, leather, plastic, paint, ink etc.

To make aroma and functional scent for textile, it will cost with very reasonable.

It can make more high fashion with good aroma and functional scent.

It is very easy to apply this for the goods. Please mix with this aroma and functional microcapsule.

Available Aroma and Functional Microcapsule

Product spectrum				
Acacia	Apple	Banana	Champhor	Chocolate
Cherry	Chamomile	Cinnamon	Freesia	Eucalyptus
Grape	Green tea	Garden Bloom	Hazelnut	Jasmine
Lavender	Lemon	Menthol	Mint	Orange
Pine	Pineapple	Rose	Rosemary	Peppermint
Strawberry	Phytoncide	Peach	Vanilla	Ylang Ylang
Vitamin E	Anti-mosquito	Hunterball	Silver Master S-Series	

Packing Unit

- Powder
10 Kg/CTN, polybag for inner pack, carton for outer pack
- Slurry
25 Kg PE Drum

Use Method

If you want to use of this for textile, it is very simple to apply with these microcapsules as normal processing

Microcapsule: 0.5 - 3%

Binder: 0.5 - 1.5%

1 Dip 1 Nip Pre dry 120°C- 30sec

Curing 160-170°C 1-2 Min (Over Dry)

Application Case for Textile

- Basic processes of aroma and functional treatment
 - 1) Dip fabric into solution containing microcapsules & binder in the bath.
 - 2) Nip fabric up to a certain pick up rate by mangle,
 - 3) Dry out fabric to have the wanted chemicals on the fabric.

■ Precaution

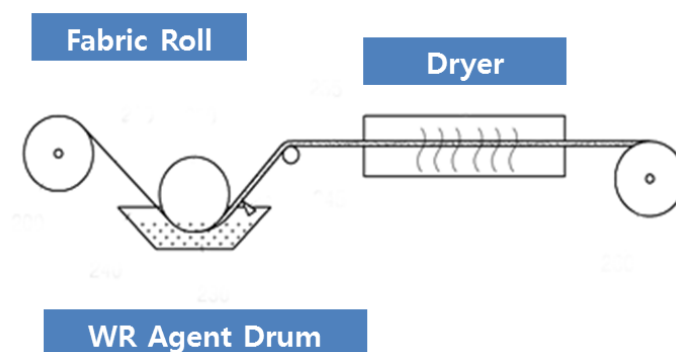
- 1) Calculate total solution quantity by pick up rate.
- 2) According to the recipe, put microcapsule, binder, and other normal textile finishing agents such as softener etc. with water.
- 3) Check ionic trouble prior to making solution, for your information. The ionic property of Aroma and Functional microcapsule is weak anion as most of textile finishing agents
- 4) General recipe is very different by fabrication, construction

■ Example recipe in case of total 100kgs of solution

Component	Percent	Quantity
Microcapsule	2%	2kg
Binder	2%	2kg
Other textile finishing agent included water	96%	96kg

■ Process of aroma and functional treatment by using tenter Machine

- 1) Dipping in bath: To contain solution and where fabric is dipped.
- 2) Loss : Minimum solution quantity which fabric can be dipped which should be thrown away after finish. This factor can affect aroma and functional finishing cost according to the percentage to total needed solution.
- 3) Nipping by mangle: to nip fabric by rollers with press up to pick-up rate.
- 4) Drying process in tenter machine: normally 160°C-190°C.



Storage and Handling

- **Storage**

Store in a cool and dark place

- **Handling**

Aroma and functional microcapsules are more sensitive to the polar solvent, Temperature. The function might be fatigued if exposed to acid, and humidity for a long time. The performance varies depend on application areas so that prior test should be conducted before commercial application.