



Technical Data Sheet

XIAMETER™ APW-4253 Powdered Antifoam

Powdered antifoam containing silicone antifoam compound

Features & Benefits

- Active at low addition levels
- No performance loss on storage under warm and humid conditions in the detergent powder
- Free-flowing, non-caking granules, easy to incorporate by dry-mixing
- Formulated on a water soluble carrier
- Suitable for a wide range of washing temperatures
- Suitable for low temperature wash laundry detergents
- Suitable for a wide range of detergent matrices, no segregation in detergent powder
- Performance not dependent on water hardness

Applications

- In-wash foam-control for laundry powder detergents.

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

CTM ¹	Property	Unit	Value
0176B	Appearance		White free-flowing granules
0565A	Bulk density	g/l	900
	Granulometry - mean particle size	mm	0.5
0957	Particle size distribution - % granules	> 1.4 mm	7.0 max.
		< 0.180 mm	15.0 max.
	Cake strength	N	zero

1. CTM: Corporate Test Method, copies of CTMs are available on request.

Stability Characteristics In Detergent Powder

As displayed in Figure 1, XIAMETER™ APW-4253 Powdered Antifoam is stable when stored in the detergent formulation even under warm and humid conditions. No performance loss is observed between freshly mixed composition and a sample which has been aged during 8 weeks at 35°C and 70% humidity.

Performance after ageing 4W at 35°C and 70% R.H. in a reference detergent powder

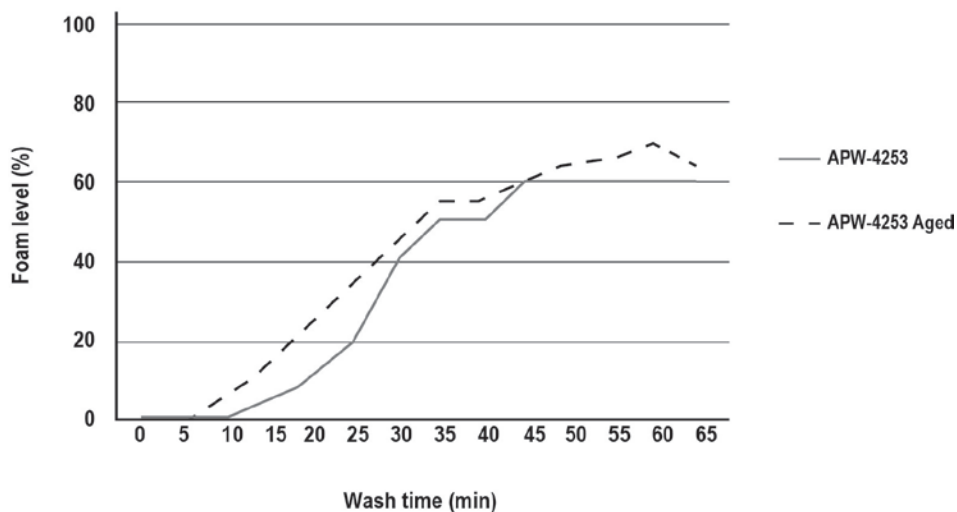


Figure 1: XIAMETER™ APW-4253 Powdered Antifoam Stability Characteristics In Detergent Powder

Description

XIAMETER APW-4253 Powdered Antifoam is able to control the foam of powder laundry detergents generated during the washing process.

How To Use

XIAMETER APW-4253 Powdered Antifoam is easy to incorporate into powder laundry detergents. Dry mixing is the recommended method. Typical addition levels of XIAMETER APW-4253 Powdered Antifoam are between 0.5 and 3.0%. Individual detergent formulations varying, particularly with the surfactant level and composition, the exact level of addition needs to be assessed individually.

Handling Precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT WWW.CONSUMER.DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

Usable Life And Storage

Product should be stored at or below 40°C (104°F) in original, unopened containers.

Limitations

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Not intended for human injection. Not intended for food use.

Health And Environmental Information

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, www.consumer.dow.com or consult your local Dow representative.

<http://www.xiameter.com>

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