

Aquavate™ Bio SB 2383

Product type

Aquavate™ Bio SB 2383 is a water-based dispersion, based on a fully biodegradable and high molecular weight thermoplastic synthetic polymer.

Application

Aquavate™ Bio SB 2383 has initially been designed as a heat sealable coating for paper packaging applications. Strong seals resulting in fiber tear can be obtained for both coating to coating and coating to paper seals. Good heat seal properties against biodegradable aliphatic polyesters (PLA, PHA, PBS, PHBH etc.) has also been observed. Next to that, Aquavate™ Bio SB 2383 has also shown good barrier properties on paper for oil and grease when applied at sufficient coating weight.

Product Characteristics

Technical Data	Specification*	Typical value	Method
Viscosity (20°C, spindle 3, 100 rpm)	100 - 1000 mPa.s		Based on ISO 2555
pH (20°C)	4.0 - 7.0		Based on ASTM E70
Appearance		White liquid	Visual
Solid content	43 - 48 %		Based on ISO 3251

* Technical release specifications.

Storage and usage

- For general guidance and regulatory support on the use of Aquaseal™ dispersions for heat seal and barrier applications please ask our technical department.
- Where Aquavate™ Bio SB 2383 is to be used as a functional additive, compatibility in the final formulation should be checked at laboratory scale before industrial use.
- Do not allow to freeze and keep away from direct sunlight.
- Aquavate™ Bio SB 2383 has a shelf life of 6 months in closed packaging when stored between 5 and 25°C.
- Due to the nature of the product, it is advised to properly agitate Aquavate™ Bio SB 2383 prior to use.
- Stock rotation should be practised.

Disclaimer

Information and details given in this document, particularly any recommendations for application and use of our products are based on careful laboratory tests and prevailing practical experience and are believed to be correct at time of publication. The information is not binding, which is also generally true for our practical customer service, given verbally, in writing and by tests. Due to (possibly varying) conditions of transport, storage, process, substrate use or product application (which are beyond our knowledge and control), we strongly recommend to carry out sufficient tests in order to ensure that our products are suitable for the intended processes and applications. Further, it is the user's obligation to utilize this material with due care, in accordance with the information in the Material Safety Datasheet (and with the information given in any other way by Paramelt) and in full compliance with health, safety and environmental regulations. Whilst proper care has been taken in the preparation of this document, no liability for damage or injury resulting from its use is accepted, other than the limited liability which may arise towards a contractual party on the basis of Paramelt's conditions of sale (a copy of these conditions is available on request). Paramelt's acceptance of any orders for this product is expressly conditional upon purchaser's assent to these conditions of sale. No information contained in this document (nor any information given verbally, in writing and by tests) is to be construed as permission, recommendation or inducement by Paramelt or its officers, employees or affiliates, to use any product or process so as to infringe upon or conflict with any patent. Paramelt does not attest or guarantee that the use of its products or processes will not infringe upon any patent; user is responsible for verifying its freedom to operate in any jurisdiction