

Polypropylene

Borcoat™ BB108E-1199-PW**Polypropylene compound for Steel Pipe Coating****Description**

Borcoat BB108E-1199-PW is a polypropylene (PP) based compound. The product is white-coloured and available in powder form for spray application.

Applications

Steel pipe coating

Borcoat BB108E-1199-PW is recommended to be used as an anti-slip "rough coat" layer on top of three-layer-PP based anti-corrosion or multi-layer-PP based thermal insulation coatings.

Rough coat may be applied for/when

- PP coated pipes installed in steep terrain to increase friction with the surrounding ground
- Increased safety during handling and loading operations
- PP coated pipes on which concrete weight coating is applied
- Offshore pipes without concrete weight coating to improve the grip in the caterpillar clamps during laying operations.

DNVGL-RP-F106

EN ISO 21809-1

Physical properties

Property	Typical value *	Unit	Test method
Density	916	kg/m³	ISO 1183-1/Method A
Melt flow rate (230 °C/2.16 kg)	0.9	g/10min	ISO1133-1
Moisture content ¹	≤ 500	ppm	ISO 15512
Oxidation induction time (220 °C)	≥ 40	min	ISO 11357-6
Melting temperature ²	162	°C	ISO 11357-3

* Data should not be used for specification work

¹ Karl Fischer-titration

² DSC

Other properties

Property	Typical value *	Unit	Test method
Particle size < 150 µm	≤ 15	w%	ASTM D1921
Particle size 150-300 µm	10 - 45	w%	ASTM D1921
Particle size 300-500 µm	35 - 85	w%	ASTM D1921
Particle size 500-600 µm	0 - 20	w%	ASTM D1921
Particle size 600-840 µm	0 - 5	w%	ASTM D1921
Particle size > 840 µm	0 - 2	w%	ASTM D1921

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Processing techniques

The actual conditions will depend on the type of equipment used. The product can be applied by powder spray. Please ask Borealis representatives for more specific information on the application.

Borcoat™ is a trademark of the Borealis Group

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Packaging and storage

Borcoat BB108E-1199-PW is supplied in 20 kg bags on 1100 kg pallets.

Borcoat BB108E-1199-PW shall be stored indoors below 50°C in unopened original packaging in clean and dry environment. It is recommended to ensure proper stock rotation by using first in – first out principle. Following aforementioned conditions the material can be stored for a period of up to 36 months after production. However, caution shall be taken regarding the moisture level. It is recommended to measure the moisture after longer storage periods prior to processing.

The shelf-life of the product can be extended after Borealis has re-tested selected material properties and verified that the test results are still within the product specification.

Product compliance documents

Latest versions of product safety information sheets (PSIS), product safety data sheets (SDS) and other product liability documents are available in our website www.borealisgroup.com.

Sustainability aspects

Borealis is ever mindful of the impact of our products on the planet. We promote Design for Circularity (DfC) and Design for Recycling (DfR) to conserve natural resources and to reduce the environmental impact of products over their entire lifetime (including production, use phase and after phase). DfR helps ensure that material can be effectively recycled while maximizing the material performance efficiency. Further information on sustainability and Design for Recycling (DfR) can be found from our websites www.borealisgroup.com and www.borealiseverminds.com.

Disclaimer

The product(s) mentioned herein are not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications.

To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication; however we do not assume any liability whatsoever for the accuracy and completeness of such information.

Borealis makes no warranties which extend beyond the description contained herein. Nothing herein shall constitute any warranty of merchantability or fitness for a particular purpose.

It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products.

No liability can be accepted in respect of the use of any Borealis product in conjunction with any other products and/or materials. The information contained herein relates exclusively to our products when not used in conjunction with any other material unless as specifically provided for in the test methods stated above.