PRODUCT DATA SHEET

Polypropylene

BorPure™ RD508MF

Polypropylene Random Copolymer

Description

This grade is suitable for the manufacturing of oriented films on BOPP and and MDO film processes as well as un-oriented films on cast film lines.

Cas No. 9010-79-1

Typical characteristics

BorPure™ RD508MF can be described with following typical characteristics:

High surface cleanliness
Excellent organoleptics
Very low overall migration
High adhesion to barrier coatings/metallization
High gloss and low haze
Low seal initiation temperature (S.I.T.)

Very good synergistic effects in combination with seal modifiers and thus offering high efficiency on packaging lines for recyclable PP laminates.

Applications

BorPure™ RD508MF is intended for following applications:

Food packaging film
Metallised BOPP film
Retort food packaging
Lamination film
Low SIT seal layers in lamination and flexible barrier films
BOPP packaging film

Physical properties

Property	Typical value *	Unit	Test method
Melt flow rate (230 °C/2.16 kg)	6	g/10min	ISO 1133-1
Flexural modulus	900	MPa	ISO 178
Vicat softening temperature A50 (10 N)	123	°C	ISO 306
Charpy impact strength, notched (23 °C)	4	kJ/m²	ISO 179-1/1eA
Melting temperature	134	°C	ISO 11357-3

* Data should not be used for specification work

Processing techniques

Processing settings Unit Typical value Remark

Packaging and storage

BorPure™ RD508MF should be stored in dry conditions at temperatures below 50°C and protected from UV-light. Improper storage can initiate degradation, which can result in odour generation and colour changes and can have negative effects on the physical properties of this product.

Product compliance documents

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

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BOREALIS

BorPure™ RD508MF

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.
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