PRODUCT DATA SHEET

19.03.2026 Ed.2

Preliminary

Polypropylene

BorPure™ RE539MF

Polypropylene Random Copolymer

Description

This grade is suitable for the manufacturing of unoriented films on chill roll processes

Cas No. 9010-79-1

BorPure RE539MF contains:

1800	ppm	Antiblocking agent
2000	ppm	Slip agent
Yes		Calcium stearate

Typical characteristics

BorPure RE539MF can be described with following typical characteristics:

Very low overall migration

Stiff sealing material

High seal strength

Excellent optical properties

Low Seal initiation temperature (S.I.T.)

Excellent organoleptic properties and thus suitable for sensitive flexible food packaging applications
Broad sealing window on packaging lines and tight seals for high efficiency on packaging lines

Applications

BorPure™ RE539MF is intended for following applications:

Food packaging films

Laminated structures requiring very high seal integrity

Textile packaging films

High quality stationery film

High speed FFS films

Lamination films

Lap sealing to OPP

Low SIT seal layers in lamination and flexible barrier films

Non-retort, transparent food packaging films

Packages for bakery products

Physical properties

Property	Typical value *	Unit	Test method
MFR 230°C/2.16kg	11.0	g/10min	ISO 1133-1
Flex modulus 23°C/24h	1000	MPa	ASTM D792
Melting temperature	128.0	°C	ISO 11357-1

* Data should not be used for specification work

Film properties

Property	Typical value *	Unit	Test method
Seal initiation temperature (2 N) [1]	112	°C	Borealis test method

* Data should not be used for specification work

[1] *Measured on 50µm cast film.*

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Polypropylene

BorPure™ RE539MF

Processing techniques

Packaging and storage

BorPure RE539MF 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 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.

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