

Polypropylene

TD310BF

Description

TD310BF is a C2/C4 terpolymer.

This grade is designed for sealing layers of oriented and non oriented films.

Cas No. 25895-47-0

TD310BF contains:

Antiblocking agent

Typical characteristics

Low volatiles and fumes during processing

High seal strength and hot tack force

Low content of amorphous polymer

Broad sealing window

Excellent printability and metallizable

Excellent optical properties

Good stability of surface tension

good functionalizable surface and high purity for good metal adhesion

Applications

TD310BF is intended for following applications:

Food packaging film

Sealing layer in coextrusion

Lamination film

Metallised BOPP 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 ¹	700	MPa	ISO 178
Melting temperature	131	°C	ISO 11357-3
Vicat softening temperature A50 (10 N)	115	°C	ISO 306
Seal initiation temperature ²	105	°C	Borealis Test Method

* Data should not be used for specification work

¹ Measured on injection moulded specimens, conditioned at 23 °C and 50 % relative humidity.

² Measured on 50 µm film.

Packaging and storage

TD310BF 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.

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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.

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