

Polypropylene

TD312BF

Description

TD312BF is a C2/C4 terpolymer.

This grade has a broad molar weight distribution and is designed for sealing layers of oriented and non oriented films.

Cas No. 25895-47-0

TD312BF contains:

1000 ppm Antiblocking agent
Calcium stearate

Typical characteristics

TD312BF can be described with following typical characteristics:

High seal strength and hot tack force	Good stability of surface tension
Broad sealing window	Excellent optical properties
Excellent printability	Effective processing stabilizer package

Applications

TD312BF is intended for following applications:

Food packaging film	Seal layers in packaging films
Lamination film	Shrink 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

TD312BF 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.

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.