



Polypropylene BormedTM TD109CF

Description

Bormed TD109CF is a propylene alpha olefin copolymer.

This grade is suitable for the manufacturing of unoriented films on cast and tubular quench film lines.

Applications

Lamination films
Food packaging

Medical applications
Sealing layer in coextrusion

Additives

Bormed TD109CF does not contain slip or antiblock additives.

Special features

High seal strength and hot tack force
Extremely low blooming
Excellent heat seal properties

Wide sealing window
Excellent optical properties
Very low sealing initiation temperature

Physical Properties

Property	Typical Value	Test Method
Data should not be used for specification work		
Density	900 - 910 kg/m ³	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	6,0 g/10min	ISO 1133
Flexural Modulus	700 MPa	ISO 178
Melting temperature	128 - 132 °C	ISO 3146
Vicat softening temperature	114 °C	ISO 306

Film Properties

Property	Typical Value	Test Method
Data should not be used for specification work		
Instrumented puncture test	Total Penetration Energy 28 J 1050 N	ISO 7765-2
Haze	< 1,3 %	ASTM D 1003
Gloss	> 135 %	ASTM D 2457
Tensile Strain at Break	MD 400 - 500 % /TD	ISO 527-3
Tensile Strength	MD 45 - 55 MPa	ISO 527-3
Tensile Strength	TD 35 - 45 MPa	ISO 527-3
Tensile Modulus	MD 650 - 850 MPa /TD	ISO 527-3



Polypropylene

Bormed TD109CF

Coefficient of friction (Film/Film)

> 0,7

ISO 8295

Storage

Bormed TD109CF should be stored in dry conditions at temperatures below 50°C and protected from UV-light. Improper storage can initiate degradation, which results in odour generation and colour changes and can have negative effects on the physical properties of this product.

Safety

The product is not classified as a dangerous preparation.

Please see our "Safety data sheet" / "Product safety information sheet" for details on various aspects of safety of the product.

Recycling

The product is suitable for recycling using modern methods of shredding and cleaning. In-house production waste should be kept clean to facilitate direct recycling.

Please see our "Safety data sheet" / "Product safety information sheet" for details on various aspects of safety, recovery and disposal of the product. For more information, contact your Borealis representative.

Related Documents

The following related documents are available on request, and represent various aspects on the usability, safety, recovery and disposal of the product.

"Safety data sheet" / "Product safety information sheet"
Statement on compliance to regulations on medical use
Statement on compliance to food contact regulations