Polypropylene
RE936CF

Description
RE936CF is a random copolymer

It has a medium ethylene content.
This grade is suitable for the manufacturing of unoriented films on chill roll processes. **Borclear RE936CF** is designed to give highest transparency and allows high speed film processing with less sensitivity to orange peel formation. Its tailored polymer structure offers low blooming, high transparency after steam sterilisation, fast slip migration."

CAS-No. 9010-79-1

Applications
RE936CF is recommended for:

Food packaging
Lamination films
Textile packaging film
Graphic films
High quality stationery film

Additives
RE936CF contains antiblock and slip agents

Additives	Content	
Antiblock (SiO2)	1800 ppm	Borealis Method
Slip (EAA)	2000 ppm	Borealis Method
Calcium stearate	Yes	Borealis Method

Special features
RE936CF is optimised to deliver:

Superior gloss
Very high transparency
High softness
Very good impact strength
Easy processability
High output
High speed processing
Reducing orange peel effect at high speed lines
Excellent sealing performance

Physical Properties

Property	**Typical Value** Data should not be used for specification work	**Test Method**
Melt Flow Rate (230 °C/2,16 kg)	12 g/10min	ISO 1133
Flexural Modulus [1]	900 MPa	ISO 178
Melting temperature (DSC)	143 °C	ISO 11357-3

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Molecular weight distribution	Medium

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

Film Properties

Specific film values evaluated on chill roll films, produced with Borealis internal standard conditions with a thickness of 50 µm. When compared to films which were produced under other conditions. It should be taken into account that the film properties are strongly dependent on the processing conditions.

Property			Typical Value Data should not be used for specification work	Test Method
Instrumented puncture test	Total Penetration Energy		20 J/mm	ISO 7765-2
Haze			< 1,5 %	ASTM D 1003
Gloss at 20 degree (of arc)			> 140	ASTM D 2457
Tensile Strain at Break		MD	600 %	ISO 527-3
Tensile Strain at Break		TD	600 %	ISO 527-3
Tensile Strength		MD	35 MPa	ISO 527-3
Tensile Strength		TD	30 MPa	ISO 527-3
Tensile Modulus		MD	450 MPa	ISO 527-3
Tensile Modulus		TD	450 MPa	ISO 527-3
Coefficient of friction (Film/Film)			0,15	ISO 8295

Storage

RE936CF 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.

More information on storage is found in our "Safety data sheet" / "Product safety information sheet".

Safety

The product is not classified as dangerous.

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

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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.

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 chemicals, regulations and standards
Statement on compliance to food contact regulations
Statement on polymer additives and BSE