Polypropylene
RD226CF

Description
RD226CF is a random copolymer

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

CAS-No. 9010-79-1

Applications
RD226CF is recommended for:

Food packaging
Stationary films
Lamination films
Textile packaging film
Flower packaging

Additives
RD226CF contains antiblock and slip agents

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

Physical Properties

Property	**Typical Value**	**Test Method**
	Data should not be used for specification work	
Melt Flow Rate (230 °C/2,16 kg)	8 g/10min	ISO 1133
Flexural Modulus [1]	800 MPa	ISO 178
Melting temperature (DSC)	144 °C	ISO 11357-3
Charpy Impact Strength, notched (23 °C)	4,9 kJ/m²	ISO 179/1eA
Molecular weight distribution	Narrow	

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

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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			< 2 %	ASTM D 1003
Gloss at 20 degree (of arc)			> 120	ASTM D 2457
Tensile Strain at Break		MD	550 %	ISO 527-3
Tensile Strain at Break		TD	600 %	ISO 527-3
Tensile Strength		MD	40 MPa	ISO 527-3
Tensile Strength		TD	30 MPa	ISO 527-3
Tensile Modulus		MD	500 MPa	ISO 527-3
Tensile Modulus		TD	500 MPa	ISO 527-3
Coefficient of friction (Film/Film)			0,15	ISO 8295

Storage

RD226CF 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, recovery and disposal of the product. For more information, contact your Borealis representative.

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.

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