PRODUCT DATA SHEET

# Polypropylene
# RD266CF

## Description
**RD266CF** is a random copolymer

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

**CAS-No.** 9010-79-1

## Applications
**RD266CF** is recommended for:

Food packaging
Stationary films
Lamination films
Textile packaging film
Flower packaging

## Additives
**RD266CF** is a slip, antiblock and antistatic formulated resin.

| **Additives** | Content | |
|---|---|---|
| Antiblock (SiO2) | 1800 ppm | Borealis Method |
| Slip | 1800 ppm | Borealis Method |
| Antistatic agent | Yes | Borealis Method |
| Calcium stearate | Yes | Borealis Method |

## Physical Properties

| **Property** | **Typical Value**<br>Data should not be used for specification work | **Test Method** |
|---|---|---|
| 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 |
| Vicat softening temperature | 130 °C | ISO 306 |
| 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<br>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

**RD266CF** 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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