PRODUCT DATA SHEET

POLYPROPYLENE

RD265CF

POLYPROPYLENE RANDOM COPOLYMER FOR CAST FILM APPLICATIONS

DESCRIPTION

RD265CF is a Random Copolymer Polypropylene product produced by the proprietary Borstar® process. This product is designed for Metallisable Cast Film (MCPP) application offering good Metal Adhesion performance.

RD265CF contains Antiblocking agent. It does not contain Slip and Calcium Stearate.

APPLICATIONS

Metallisable Cast film (Metal layer)
Multilayer co-extrusion film
Food packaging film

SPECIAL FEATURES

Excellent Metal Adhesion
Good optics (Haze & Gloss)
Good processability
Low Migration

Good Corona Retention
High stiffness
Higher Heat resistance
Balanced Mechanical and Heat Seal properties

PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Typical Value</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>900-910kg/m³</td>
<td>ASTM D792</td>
</tr>
<tr>
<td>Melt Flow Rate (230°C/2.16kg)</td>
<td>8.0g/10min</td>
<td>ASTM D1238</td>
</tr>
<tr>
<td>Flexural Modulus</td>
<td>1250Mpa</td>
<td>ISO 178</td>
</tr>
<tr>
<td>Melting temperature(DSC)</td>
<td>151°C</td>
<td>ISO 3146</td>
</tr>
<tr>
<td>Vicat Softening Temperature(Method A)**</td>
<td>134°C</td>
<td>ISO 306</td>
</tr>
</tbody>
</table>

** Measured on injection moulded specimens, conditioned at 23°C and 50% Rel. Hum.

Data should not be used for specification work

FILM PROPERTIES

<table>
<thead>
<tr>
<th>Cast film Property</th>
<th>Typical Value</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Haze</td>
<td>&lt;1%</td>
<td>ASTM D1003</td>
</tr>
<tr>
<td>Gloss @ 20 degree( of arc)</td>
<td>&gt;120</td>
<td>ASTM D2457</td>
</tr>
<tr>
<td>Tensile Strain at break(MD/TD)</td>
<td>400-550%</td>
<td>ISO 527-3</td>
</tr>
<tr>
<td>Tensile Strength(MD/TD)</td>
<td>30MPa</td>
<td>ISO 527-3</td>
</tr>
<tr>
<td>Tensile Modulus(MD/TD)</td>
<td>1000MPa</td>
<td>ISO 527-3</td>
</tr>
<tr>
<td>Metal Adhesion</td>
<td>Excellent</td>
<td>Borouge method</td>
</tr>
</tbody>
</table>

Specific film values evaluated on Cast films produced with Borouge internal standard conditions with a thickness of 50µm. 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. Film made as monolayer film on lab scale line with melt temperature 220-240°C
PROCESSING GUIDELINES
The actual conditions will depend on the type of equipment used. Specific recommendations for processing conditions can be determined only when the application and type of equipment are known. Please contact your local Borouge representative for such particulars.

FOOD CONTACT REGULATIONS
RD265CF fulfils the food contact regulations in most countries. For specific information and compliance statement please contact your Borouge representative.

STORAGE
RD265CF 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 can be found in Safety Information Sheet (SIS) for this product.

SAFETY
The product is not classified as a hazardous preparation. Please see our Safety Information Sheet (SIS) for details on various aspects of safety, recovery and disposal of the product, for more information contact your Borouge 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.

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 Information Sheet
- Statement on chemicals, regulations and standards
- Statement on compliance to food contact regulations

STANDARDS
Borouge is certified to various ISO standards, please refer to Borouge.com for more information.

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.

Borouge 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 Borouge products in conjunction with other materials. The information contained herein relates exclusively to our products when not used in conjunction with any third party materials.