Description
Borpact BC918CF is a high crystalline heterophasic copolymer film resin, based on special Borstar nucleating technology.

Optical properties will not be deteriorated as with conventional homo or copolymers at these temperatures. This grade is especially developed for the manufacturing of unoriented film for various film processing technologies like cast film process, conventional blown film process with air cooling and roll stack process for thermoformable films/sheets.

Applications
Borpact BC918CF is designed for:

- Label film
- Lamination films
- Food packaging
- Stand up pouch film
- Inner layer in coextrusion
- Map trays
- Vegetable trays
- Vegetable trays

Special features
Borpact BC918CF is optimised to deliver:

- Low haze
- Very good gloss
- Very high stiffness
- Good toughness
- Very low temperature resistance
- Very good heat deformation resistance
- Super high purity
- Linear tear

Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Typical Value</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>905 kg/m³</td>
<td>ISO 1183</td>
</tr>
<tr>
<td>Melt Flow Rate (230 °C/2.16 kp)</td>
<td>3.0 g/10min</td>
<td>ISO 1133</td>
</tr>
<tr>
<td>Flexural Modulus (2 mm/min)</td>
<td>1.400 MPa</td>
<td>ISO 178</td>
</tr>
<tr>
<td>Melting temperature (DSC)</td>
<td>166 °C</td>
<td>ISO 3146</td>
</tr>
<tr>
<td>Vicat softening temperature A50, (10 N)</td>
<td>154 °C</td>
<td>ISO 306</td>
</tr>
<tr>
<td>Charpy Impact Strength, notched (23 °C)</td>
<td>40 kJ/m²</td>
<td>ISO 179/1eA</td>
</tr>
<tr>
<td>Charpy Impact Strength, notched (-20 °C)</td>
<td>2.3 kJ/m²</td>
<td>ISO 179/1eA</td>
</tr>
</tbody>
</table>

1 Measured on injection moulded specimens, conditioned at 23 °C and 50 % relative humidity.
2 Measured on injection moulded specimens acc. to ISO 1873-2
**Storage**

*Borpact BC918CF* 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 for this product.

**Safety**

The product is not classified as a dangerous preparation. Please see our Safety Data 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.

Please see our Safety Data 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
Statement on chemicals, regulations and standards
General statement on compliance to food contact regulations
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.

Borealis 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 Borealis' 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.