Ultramid®: The clear choice

With its line of Ultramid® polyamide (PA) products, BASF has been a reliable partner with the film industry from the beginning. Due to its outstanding and constant quality, Ultramid® extrusion polyamides are the best choice for demanding film applications.

### Product range

<table>
<thead>
<tr>
<th>Ultramid®</th>
<th>Polyamide type</th>
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</thead>
<tbody>
<tr>
<td>Ultramid A</td>
<td>PA 6.6</td>
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<tr>
<td>Ultramid B</td>
<td>PA 6</td>
</tr>
<tr>
<td>Ultramid C</td>
<td>PA 6/6.6</td>
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</tbody>
</table>

### Worldwide availability

We combine our know-how, products, and services to serve our customers globally.

### Leading in technical service

Our experienced experts will respond quickly to your questions regarding materials and processing. Our laboratories are available to perform an extensive number of tests to analyze materials to help you develop your product.

### Innovation

As we focus on the future, dedicating time and resources to develop the next generation Ultramid® grade is of utmost importance. From concept to production, our chemists, engineers, and technical personnel strive to achieve the next breakthrough in Ultramid® grades.

### Constant and high quality

Continuous process optimization and strict quality control lead to excellent properties and consistent product performance.
Due to the wide range of our Ultramid® portfolio, we are able to provide well-designed materials for all state-of-the-art film processing technologies that lead to oriented and non-oriented, monolayer, and multilayer coextrusion films.

Relative viscosity and typical processes

- **Monolayer (cast, blown)**
  - e.g., casing, industrial films
  - Viscosity: 2.7

- **BOPA (cast, blown)**
  - Substrate for lamination
  - Viscosity: 3.3

- **Multilayer (cast, blown)**
  - e.g., thermoforming web, vacuum, ld films, pouches
  - Viscosity: 4.0

- **Oriented multilayer (blown)**
  - e.g., casing, shrink films

- **Papercoating**
  - Viscosity: 2.7

Blown film

Cast film
Ultramid® for demanding food packaging

Film properties
- puncture resistance
- outstanding mechanical performance (strength–stiffness–toughness–ratio)
- high transparency
- oxygen and carbon dioxide barrier
- flavor and aroma barrier
- thermoformability
- heat resistance
- chemical resistance (e.g., oil barrier)

Food legislation
Ultramid® film grades (Ultramid® B, C) comply with the current legislation on plastics in contact with food in e.g., Europe, USA, and China.

If you need details on the food approval status of a particular Ultramid® grade, please contact BASF directly at plastics.safety@basf.com. We will be happy to provide you with an up-to-date declaration of conformity based on the current legal regulations.
About BASF

BASF is the world’s leading chemical company: The Chemical Company. Its portfolio ranges from chemicals, plastics, performance products and crop protection products to oil and gas. We combine economic success, social responsibility and environmental protection. Through science and innovation we enable our customers in almost all industries to meet the current and future needs of society.

Our products and system solutions contribute to conserving resources, ensuring healthy food and nutrition and helping to improve the quality of life. We have summed up this contribution in our corporate purpose: We create chemistry for a sustainable future. Further information on BASF is available on the Internet at www.basf.com or in the Social Media Newsroom at newsroom.basf.com.

World leader in polyamide

With over 60 years of experience in polyamide, BASF is truly a partner you can rely on. Today, BASF is the leading producer of polyamide and its intermediates in the world. Our products are sold in more than 70 countries, into market segments such as packaging, monofilaments, engineering plastics, wire and cable jacketing through to textile, technical and carpet fibers. Customers value BASF as a reliable supplier of high-quality innovative products, with a high level of technical expertise and operational excellence.
The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed. When handling these products, advice and information given in the safety data sheet must be complied with. Further, protective and workplace hygiene measures adequate for handling chemicals must be observed. (March 2012)

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