## **Product Information**

# **Ultramid®**

8267G HS BK106 -A



02/2025

PA6-(GF15+MD25)

#### **Product Information**

Product produced in Korea.

Mineral and glass fiber reinforced injection moulding grade is a heat stabilized and weather resistant grade. It has improved UV resistance and sink mark resistance.

The combination of mineral and glass fibers result in a high performance, low warp and cost effective engineering thermoplatics. It exhibits high strength, good UV resistance, rigidity and good heat distortion temperatures. It has a relatively high resistance to creep under load. The heat stabilizer system extends its retention of properties at elevated temperatures. It has a good chemical resistance to greases, oils and hydrocarbons.

The grade is generally recommended for applications such as rotors, wheels, rims, timing belt covers, automotive cooling fans, shrouds, and all external parts exposed to the environment.

### Physical form and storage

The product is supplied in the form of granules with a bulk density of approx. 0.7 g/cm³. Standard packs are bag and bulk container (octagonal IBC=intermediate bulk container made from corrugated board with a liner bag). Other packaging materials and shipping in road or rail silo wagons are possible by agreement. The containers should only be opened immediately before processing or drying. To ensure that the delivered product absorbs as little moisture as possible, the containers should be stored in dry rooms and always carefully closed again after partial quantities have been withdrawn. In principle, the product can be stored for a long period of time. Containers stored in cold rooms should be equalized to ambient temperature before opening in order to avoid condensation on the granules. Regardless of the storage conditions, the product should be pre-dried according to our recommendations and the machine should preferably be loaded using a closed conveyor system.

#### **Product safety**

In case processing is done under conditions as recommended (cf. processing data sheet) melts are thermally stable and do not generate hazards by molecular degradation or the evolution of gases and vapors. Like all thermoplastic polymers the product decomposes on exposure to excessive thermal load, e.g. when it is overheated or as a result of cleaning by burning off. Further information is available from the safety data sheet.

## Note

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. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed. In order to check the availability of products please contact us or our sales agency.

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Typical values for uncoloured product at 23 °C1)	Test method	Unit	Values <sup>2)</sup>
Properties			
Polymer abbreviation Density	- ISO 1183	- kg/m³	PA6-(GF15+MD25) 1488
Processing			
Melting temperature, DSC MFR Temperature MFR Load MFR	ISO 11357-1/-3 ISO 1133 ISO 1133 ISO 1133	°C g/10min °C kg	220 41 275 5
Mechanical properties			dry / cond.
Tensile modulus Stress at break Strain at break Flexural modulus Flexural strength Charpy unnotched impact strength (23°C) Charpy notched impact strength (23°C) Tensile stress at yield, 2 in/min (ASTM) Tensile elongation at break, 2 in/min (ASTM) Flexural strength (ASTM) Flexural modulus (ASTM)	ISO 527-1/-2 ISO 527-1/-2 ISO 527-1/-2 ISO 178 ISO 178 ISO 179/1eU ISO 179/1eA ASTM D 638 ASTM D 638 ASTM D 790 ASTM D 790	MPa MPa % MPa MPa kJ/m² kJ/m² MPa % MPa	8360 / - 113 / - 2.4 / - 7850 / - 179 / - 46 / - 3.9 / - 181 / - 2 / - 290 / - 11000 / -
Thermal properties			
Deflection temp. under load 1.8 MPa (HDT A) HDT A (1.80 MPa), ASTM	ISO 75-1/-2 ASTM D 648	°C °C	191 202

If product name or properties don't state otherwise.
 The asterisk symbol '\*' signifies inapplicable properties.