Product Information **Ultramid®**

A 548B2 V15 BLACK 23 N

10/2020

PA66-GF15

Product description

Ultramid® A 548B2 V15 Black 23N is a polyamide 6.6, reinforced with 15% of glass fibre, heat stabilized, impact modified, for blow moulding. This grade offers an excellent long term Heat resistance and is suitable to work in environments characterized by a very high temperature. It has been also specially designed to be perfectly suitable for blow moulding processing.

Extrusion Notes

The material is supplied in airtight bags, ready for use. In case that the virgin material has absorbed moisture, it must be dried with a dehumidified air drying equipment.
Blow Molding Mold Temperature: 70 to 90°C
Blow Molding Head Temperature: 280 to 300°C

Disclaimer

The information contained in this document is given in good faith based on our current knowledge. It is only an indication and it is in no way binding. This information must on no account be used as a substitutive for necessary prior tests which alone can ensure that a product is suitable for a given use. ANY WARRANTY OF PRODUCT PERFORMANCE, MERCHANDABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED. Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorizations. Users are requested to check that they are in possession of the latest version of this document, and BASF SE is at their disposal to supply any additional information.

Safety Information

Detailed information regarding safety are available on the safety data sheet (MSDS). MSDS is sent with the first material order or available by contacting our customer services

Regulations Compliance

This product is not intended to be used for the following regulated market: food contact, drinking water, toys, cosmetics or medical devices.

This grade complies with RoHS Directive 2011/65/EU, 2015/863 and local regulations as amended.

Grades produced or imported in Europe comply with REACH directive 1907/2006/EC as amended.

Customer Services

Our customer services are not only concerned with manufacturing and supply of Engineering Plastics products. We are available to assist our customers in finding technical solutions that meet their requirements. Specific support is in particular offered on:
- Material selection
- Material testing
- Parts design advice, training for design engineers
- Part testing
- Design simulation
- Processing through different technologies
- Assembly and post-processing technology expertise
- Parts optimization through Computer Aided Design

BASF SE
67056 Ludwigshafen, Germany

Ultramid® A 548B2 V15 BLACK 23 N

Product Information

Typical values for uncoloured product at 23 °C[1)]	Test method	Unit	Values[2)]
General Properties			
Asia Pacific	-	-	**+**
Near East/Africa	-	-	**+**
Processing: Injection moulding (M), Extrusion (E), Blow moulding (B)	-	-	**B**
Colour; black (bk), uncoloured (un), coloured (co), transparent (tr)	-		**bk**
Pellets	-	-	**+**
Physical			
Molding shrinkage (parallel)	ISO 294-4	%	**0.35**
Molding shrinkage (normal)	ISO 294-4	%	**1.00**
Density	ISO 1183	kg/m³	**1200 / -**
Mechanical properties			**dry / cond.**
Tensile modulus	ISO 527-1/-2	MPa	**4900 / 3000**
Stress at break	ISO 527-1/-2	MPa	**90 / 57**
Strain at break	ISO 527-1/-2	%	**4.7 / 8.8**
Flexural modulus	ISO 178	MPa	**4500 / -**
Flexural strength	ISO 178	MPa	**145 / -**
Charpy notched impact strength ISO 179/1eA (23°C)	ISO 179/1eA	kJ/m²	**14 / -**
Charpy impact strength ISO 179-1eU (23°C)	ISO 179/1eU	kJ/m²	**65 / 79**
Thermal properties			
HDT A (1.80 MPa)	ISO 75-1/-2	°C	**210**
Melting temperature, DSC (10°C/min)	ISO 11357-1/-3	°C	**260**
Extrusion Notes			
Pre/Post-processing, max. allowed water content	-	%	**0.08**
Extrusion cylinder temperature 1		°C	**260 - 280**
Extrusion cylinder temperature 2		°C	**270 - 290**
Extrusion, Adapter temperature		°C	**275**
Extrusion, Die temperature		°C	**280**

Footnotes
1) If product name or properties don't state otherwise.
2) The asterisk symbol '*' signifies inapplicable properties.

BASF SE
67056 Ludwigshafen, Germany