

BASF Ultramid® B3WG6 HP BK 23210 30% Glass Filled PA6 (Conditioned)

Categories: [Polymer](#); [Thermoplastic](#); [Nylon \(Polyamide PA\)](#); [Nylon 6 \(PA6\)](#); [Nylon 6, 30% Glass Fiber Filled](#)

Material Notes: Description: 30% Glass fiber reinforced and heat aging resistant injection molding grade with enhances flowability used e.g. for automobile manifold.

Information provided by BASF

Vendors: No vendors are listed for this material. Please [click here](#) if you are a supplier and would like information on how to add your listing to this material.

Physical Properties	Metric	English	Comments
Bulk Density	0.500 - 0.800 g/cc	0.0181 - 0.0289 lb/in ³	
Density	1.36 g/cc	0.0491 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	
Melt Flow	68 g/10 min @Load 5.00 kg,	68 g/10 min @Load 11.0 lb,	ISO 1133
	Temperature 275 °C	Temperature 527 °F	
Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	DIN 58765
Decomposition Temperature	>= 300 °C	>= 572 °F	
Ignition Temperature	>= 400 °C	>= 752 °F	ASTM D1929
Processing Properties	Metric	English	Comments
Processing Temperature	80.0 °C	176 °F	Hopper Throat
Zone 1	260 °C	500 °F	Feed Zone
Zone 2	270 °C	518 °F	Compression
Zone 3	280 °C	536 °F	Metering-zone
Zone 4	280 °C	536 °F	Nozzle
Melt Temperature	270 - 290 °C	518 - 554 °F	Injection Molding/Extrusion
	280 °C	536 °F	Optimal
Mold Temperature	80.0 °C	176 °F	Optimal
	80.0 - 90.0 °C	176 - 194 °F	Injection Molding
Drying Temperature	80.0 °C	176 °F	
Dry Time	4 hour	4 hour	
Descriptive Properties			
Color	BK 23210		
Commercial Status	Europe		
Peripheral Screw Speed	< 0.3 m/s		

Some of the values displayed above may have been converted from their original units and/or rounded in order to display the information in a consistent format. Users requiring more precise data for scientific or engineering calculations can click on the property value to see the original value as well as raw conversions to equivalent units. We advise that you only use the original value or one of its raw conversions in your calculations to minimize rounding error. We also ask that you refer to MatWeb's [terms of use](#) regarding this information. [Click here](#) to view all the property values for this datasheet as they were originally entered into MatWeb.