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ALBIS

Ultramid® B3WM8 BK00102

PA6-MD40 BASF

Ultramid® B3WM8 (8260 HS) BK-102 is a heat stabilized, pigmented black, 40% mineral reinforced PA6 injection molding resin. It possesses high stiffness, dimensional stability and heat resistance combined with excellent processability including low warp and resistance to sink-mark formation. It maintains its inherent chemical resistance to greases, oils and hydrocarbons.

Ultramid® 8260 HS BK-102 is generally recommended for applications such as marine hardware, brackets, fittings, bobbins, office furniture, appliance components, and power tool housings.

机械性能	干 / 湿	单位	试验方法
ISO数据			
拉伸模量	6400 / 3800	MPa	ISO 527
断裂应力	85 / 60	MPa	ISO 527
断裂伸长率	10 / 30	%	ISO 527
无缺口简支梁冲击强度, +23°C	130 / -	kJ/m²	ISO 179/1eU
简支梁缺口冲击强度, +23°C	3 / -	kJ/m²	ISO 179/1eA

热性能	干 / 湿	单位	试验方法
ISO数据			
熔融温度, 10°C/min	220 / *	°C	ISO 11357-1/-3
热变形温度, 1.80 MPa	90 / *	°C	ISO 75-1/-2
热变形温度, 0.45 MPa	190 / *	°C	ISO 75-1/-2
厚度为h时的燃烧性	HB / *	class	UL 94
测试用试样的厚度	3.0 / *	mm	-
UL注册	是的 / *	-	-

电性能	干 / 湿	单位	试验方法
ISO数据			
体积电阻率	>1E13 / -	Ohm*m	IEC 62631-3-1

其它性能	干 / 湿	单位	试验方法
ISO数据			
吸水性	5.7 / *	%	类似ISO 62
吸湿性	1.6 / *	%	类似ISO 62
密度	1490 / -	kg/m³	ISO 1183

试样制备条件	数值	单位	试验方法
ISO数据			
注塑, 熔体温度	270	°C	ISO 294
注塑, 模具温度	80	°C	ISO 294

加工推荐（注塑）	数值	单位	试验方法
预干燥-温度	80	°C	-
加工湿度	≤ 0.2	%	-
注塑熔体温度	240 - 280	°C	-
模具温度	80 - 95	°C	-

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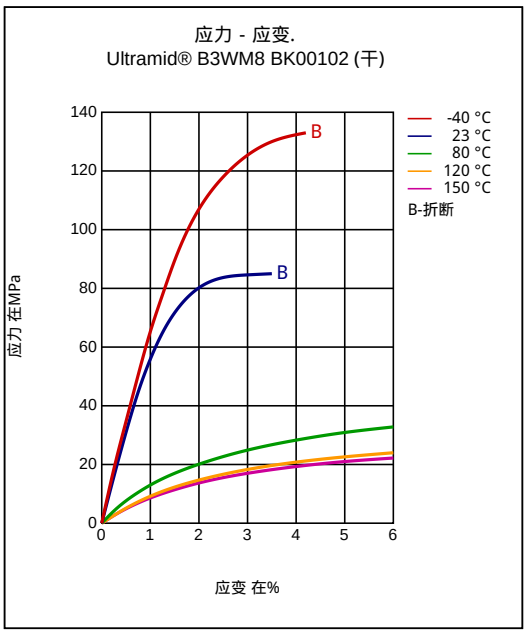
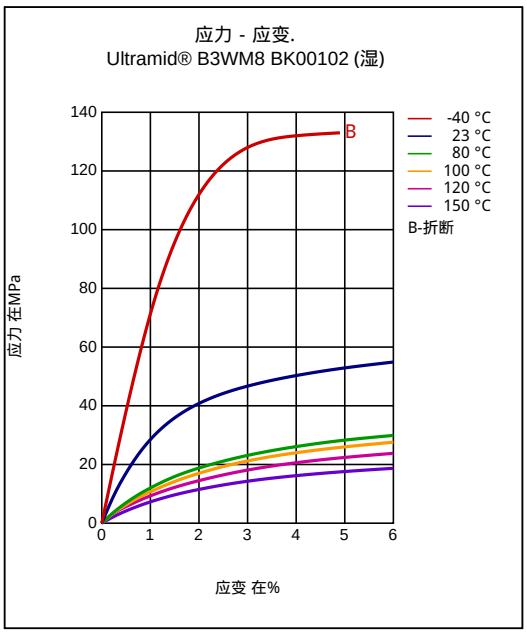
函数

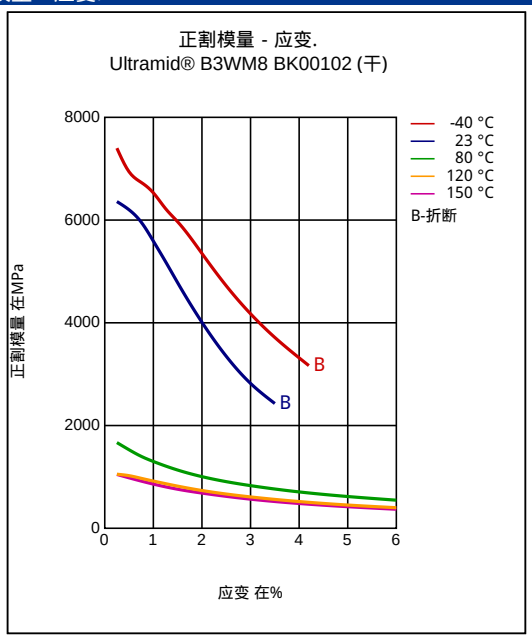
应力 - 应变.



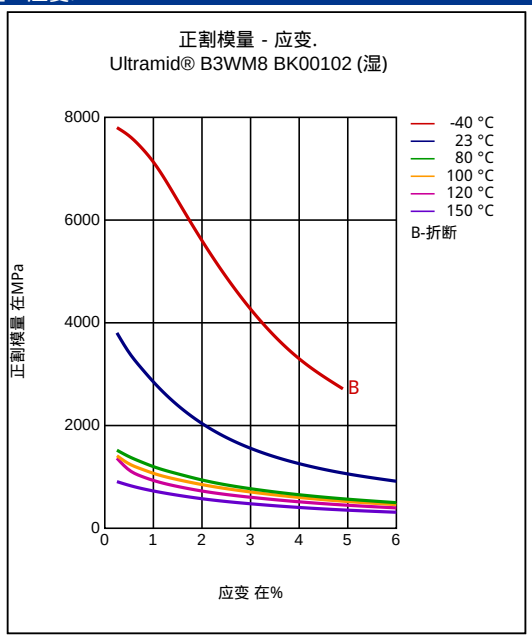
应力 - 应变.



正割模量 - 应变.



正割模量 - 应变.



特征

加工方法

注塑

供货形式

粒料, 黑色

注塑

PROCESSING
injection molding, Melt temperature, range: 270 - 295 °C
injection molding, Melt temperature, recommended: 260 °C

injection molding, Mold temperature, range: 80 - 95 °C
injection molding, Mold temperature, recommended: 80 °C
injection molding, Dwell time, thermoplastics: 10 min

PREPROCESSING
Max. Water content: 0.2%
Product is supplied in sealed containers and drying prior to molding is not required. If drying becomes necessary, a dehumidifying or desiccant dryer operating at 80 °C (176 °F) is recommended. Drying time is dependent on moisture level.
Further information concerning safe handling procedures can be obtained from the Material Safety Data Sheet. Alternatively, please contact your BASF representative.

PROCESSING
Melt Temperature 240-280 °C (464-536 °F)
Mold Temperature 80-95 °C (176-203 °F)
Injection and Packing Pressure 35-125 bar (500-1500 psi)

A mold temperature of 80-95 °C (176-203 °F) is recommended, but temperatures of as low as 10 °C (50 °F) can be used where applicable.

Injection pressure controls the filling of the part and should be applied for 90% of ram travel. Packing pressure affects the final part and can be used effectively in controlling sink marks and shrinkage. It should be applied and maintained until the gate area is completely frozen off.

Fast fill rates are recommended to insure uniform melt delivery to the cavity and prevent premature freezing.