

**BFM30-EU06B2**

PA6 injection molding grade, 30% mineral fiber reinforced, black color.  
(尼龍6 黑色礦纖30%射出規格)

Property	Test Condition	Unit	Standard	Value	Value
<b>Rheological properties</b> (物理性能)				D.A.M.	Moisture Content
Molding shrinkage, parallel(橫向模縮)	60x60x2mm	%	ISO 294	-	
Molding shrinkage, normal(縱向模縮)	60x60x2mm	%	ISO 294	-	
<b>Mechanical properties</b> (機械性能)					
Tensile Strength at break Strength(拉伸斷裂強度)	5 mm/min	MPa	ISO 527-1,-2	65	-
Elongation at break(伸長率)	5 mm/min	%	ISO 527-1,-2	>2.0	-
Charpy notched impact strength(缺口衝擊強度)	23°C	kJ/m <sup>2</sup>	ISO 179-1eA	2.5	-
Flexural modulus(彎曲模數)	2 mm/min	MPa	ISO 178	5500	-
Flexural strength(彎曲強度)	2 mm/min	MPa	ISO 178	125	-
<b>Thermal properties</b> (熱性質)					
Temperature of deflection under load(熱變形溫度)	1.8 MPa	°C	ISO 75-1,-2		170
Burning behavior UL 94(防火度)	1.6 mm	Class	UL 94		HB
<b>Other properties</b> (23°C)(其它性能)					
Density(比重)		g/cm <sup>3</sup>	ISO 1183		1.40
Glass fiber		%	ISO 3451-1		30
<b>Processing conditions for test specimens</b> (測試片成型條件)					
Injection molding-Melt temperature(成型熔膠溫度)		°C	ISO 294		250-280
Injection molding-Mold temperature(成型模具溫度)		°C	ISO 294		80-120
Drying temperature(成型乾燥溫度)		°C	-		80
Drying time dry air dryer(成型乾燥時間)		h	-		2 - 6

**Disclaimer**

Disclaimer for sales products

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**Test values**

Unless specified to the contrary, the values given have been established on standardized test specimens at room temperature. The figures should be regarded as guide values only and not as binding minimum values. Kindly note that, under certain conditions, the properties can be affected to a considerable extent by the design of the mould/die, the processing conditions and the colouring.

**Processing note**

Under the recommended processing conditions small quantities of decomposition product may be given off during processing. To preclude any risk to the health and well-being of the machine operatives, tolerance limits for the work environment must be ensured by the provision of efficient exhaust ventilation and fresh air at the workplace in accordance with the Safety Data Sheet. In order to prevent the partial decomposition of the polymer and the generation of volatile decomposition products, the prescribed processing temperatures should not be substantially exceeded. Since excessively high temperatures are generally the result of operator error or defects in the heating system, special care and controls are essential in these areas.