

PA 66 injection molding grade, 50% glass fiber reinforced, black color.

Property	Test Condition	Unit	Standard	Value	Value
Rheological properties				D.A.M.	Moisture Content
Molding shrinkage, parallel(平行-模縮)	60x60x2mm	%	ISO 294	-	
Molding shrinkage, normal(垂直-模縮)	60x60x2mm	%	ISO 294	-	
Mechanical properties					
Tensile Strength at break(拉伸斷裂強度)	5 mm/min	MPa	ISO 527-1,-2	220	-
Elongation at break(斷裂點)	5 mm/min	%	ISO 527-1,-2	>1.0	-
Charpy notched impact strength(缺口衝擊強度)	23°C	kJ/m ²	ISO 179-1eA	12.0	-
Flexural modulus(彎曲模數)	2 mm/min	MPa	ISO 178	15800	-
Flexural strength(彎曲強度)	2 mm/min	MPa	ISO 178	350	-
Thermal properties					
Temperature of deflection under load(熱變形)	1.8 MPa	°C	ISO 75-1,-2		255
Burning behavior UL 94(防火度)	1.6 mm	Class	UL 94		HB
Other properties (23°C)					
Density(比重)		g/cm ³	ISO 1183		1.57
Glass fiber(玻纖)		%	ISO 3451-1		50
Processing conditions for test specimens					
Injection molding-Melt temperature(射出溫度)		°C	ISO 294		270-290
Injection molding-Mold temperature(射出模溫)		°C	ISO 294		80-120
Drying temperature(乾燥溫度)		°C	-		100
Drying time dry air dryer(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.