

PA6 extrusion grade, medium viscosity, natural 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					
Yield Strength(降伏強度)	50 mm/min	MPa	ISO 527-1,-2	>65	-
Elongation at break(斷裂點)	50 mm/min	%	ISO 527-1,-2	>150	-
Charpy notched impact strength(缺口衝擊強度)	23°C	kJ/m ²	ISO 179-1eA	>3.0	-
Flexural modulus(彎曲模數)	2 mm/min	MPa	ISO 178	>2400	-
Flexural strength(彎曲強度)	2 mm/min	MPa	ISO 178	>100	-
Other properties (23°C)					
Density(比重)		g/cm ³	ISO 1183		1.12
Relative Viscosity(相對黏度)	96% H ₂ SO ₄ ,lg/ldl,25°C	-	ISO 307		3.35±0.1
Processing conditions for test specimens					
Melt temperature(加工溫度)		°C	ISO 294		220-250
Mold temperature(模溫)		°C	ISO 294		80
Drying temperature(乾燥溫度)		°C	-		80
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.