

# UBE Nylon 5023UW

Polyamide 6/66



## General

Generic identification and marking	PA6/66
Market example	Automotive
Application example	Thermal Powertrain
Processing example	Injection molding
Elemental Technology	Neat resin, Heat resistant, Good mold release
Production area	Thailand
Development product	Not applicable

## Mechanical property

	Unit	Test standard	Typical value
Tensile strength $\sigma$	MPa	ISO527-1,2	75
Tensile strain at break	%	ISO527-1,2	>50
Tensile modulus	MPa	ISO527-1,2	2500
Flexural strength	MPa	ISO178	85
Flexural modulus	MPa	ISO178	2000
Charpy notched impact strength	kJ/m <sup>2</sup>	ISO179-1/1eA	8

## Thermal property

	Unit	Test standard	Typical value
Temperature of deflection under load at 0.45MPa	°C	ISO75-1,2	115
Temperature of deflection under load at 1.8MPa	°C	ISO75-1,2	55

## Electrical property

## Molding property

	Unit	Test standard	Typical value
Mold shrinkage(MD)	%	ISO 294-4 D-2	0.3
Mold shrinkage(TD)	%	ISO 294-4 D-2	0.3

## Other property

## Remarks

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