

# UBE Nylon 1030NU1

Polyamide 6



## General

Generic identification and marking	PA6
Market example	Industrial
Application example	General
Processing example	Injection molding, Blow molding
Elemental Technology	Good mold release
Production area	Japan
Development product	Not applicable

## Mechanical property

	Unit	Test standard	Typical value
Tensile strength	MPa	ISO527-1,2	85
Tensile strain at break	%	ISO527-1,2	24
Tensile modulus	MPa	ISO527-1,2	3100
Flexural strength	MPa	ISO178	110
Flexural modulus	MPa	ISO178	2800
Charpy notched impact strength	kJ/m <sup>2</sup>	ISO179-1/1eA	7
Rockwell hardness (R scale)	-	ISO2039	120
Rockwell hardness (M scale)	-	ISO2039	80

## Thermal property

	Unit	Test standard	Typical value
Melting temperature	°C	ISO11357	215-225
Temperature of deflection under load at 0.45MPa	°C	ISO75-1,2	170
Temperature of deflection under load at 1.8MPa	°C	ISO75-1,2	60

## Electrical property

Unit	Test standard	Typical value
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## Molding property

Unit	Test standard	Typical value
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## Other property

	Unit	Test standard	Typical value
Density	g/cm <sup>3</sup>	ISO1183	1.14

## Remarks

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