

# UBE Nylon 3014B

Polyamide 12



## General

Generic identification and marking	PA12
Market example	General
Application example	General
Processing example	Injection molding
Elemental Technology	Neat resin
Production area	Japan
Development product	Not applicable

## Mechanical property

	Unit	Test standard	Typical value
Tensile strength	MPa	ISO527-1,2	47
Tensile strain at break	%	ISO527-1,2	>150
Tensile modulus	MPa	ISO527-1,2	1500
Flexural strength	MPa	ISO178	60
Flexural modulus	MPa	ISO178	1500
Charpy notched impact strength	kJ/m <sup>2</sup>	ISO179-1/1eA	4
Rockwell hardness (R scale)	-	ISO2039	105

## Thermal property

	Unit	Test standard	Typical value
Melting temperature	°C	ISO11357	175-181
Temperature of deflection under load at 0.45MPa	°C	ISO75-1,2	95
Temperature of deflection under load at 1.8MPa	°C	ISO75-1,2	45

## Electrical property

## Molding property

## Other property

	Unit	Test standard	Typical value
Density	g/cm <sup>3</sup>	ISO1183	1.02

## Remarks

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