

UBE Nylon 1030U2

Polyamide 6



General

Generic identification and marking	PA6
Market example	General
Application example	General
Processing example	Injection molding
Elemental Technology	Heat resistant
Production area	Japan
Development product	Not applicable

Mechanical property

	Unit	Test standard	Typical value
Tensile strength	MPa	ISO527-1,2	80
Tensile strain at break	%	ISO527-1,2	>50
Tensile modulus	MPa	ISO527-1,2	2800
Flexural strength	MPa	ISO178	110
Flexural modulus	MPa	ISO178	2500
Charpy notched impact strength	kJ/m ²	ISO179-1/1eA	8
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	145
Temperature of deflection under load at 1.8MPa	°C	ISO75-1,2	60

Electrical property

Molding property

Other property

Remarks

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* The data described herein are averaged values obtained by specified measurement: they are not guaranteed figures.

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* UBE highly recommends to read the Safety Data Sheet “SDS” before using UBE products to ensure your safety.

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