

UBE Nylon 1015B

Polyamide 6



General

Generic identification and marking	PA6
Market example	General
Application example	General
Processing example	Injection molding
Elemental Technology	Neat resin
Production area	Japan, Thailand
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	40
Tensile modulus	MPa	ISO527-1,2	2800
Flexural strength	MPa	ISO178	110
Flexural modulus	MPa	ISO178	2700
Charpy notched impact strength	kJ/m ²	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	150
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 ³	ISO1183	1.04

Remarks

* The contents of here written materials were prepared based on materials, information and data available at the present moment. They may be revised because of new knowledge, information and data without notification.

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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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