

UBE Nylon 1013I

Polyamide 6



General

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

Mechanical property	Unit	Test standard	Typical value
Tensile strength	MPa	ISO527-1,2	60
Tensile strain at break	%	ISO527-1,2	>50
Tensile modulus	GPa	ISO527-1,2	1900
Flexural strength	MPa	ISO178	80
Flexural modulus	GPa	ISO178	1900
Charpy notched impact strength	kJ/m ²	ISO179-1/1eA	26
Rockwell hardness (R scale)	-	ISO2039	110
Rockwell hardness (M scale)	-	ISO2039	45

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	120
Temperature of deflection under load at 1.8MPa	°C	ISO75-1,2	55

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	1.07

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.

* 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.

* Do not use UBE products in medical application for the parts involving implanting in human body. Please consult in advance for a medical application or parts in contact with food stuff.

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