

UBE Nylon 1015GC651

Polyamide 6



General

Generic identification and marking	PA6-GF28
Market example	General
Application example	General
Processing example	Injection molding
Elemental Technology	Glass fiber reinforced, Heat resistant
Production area	Japan
Development product	Not applicable

Mechanical property	Unit	Test standard	Typical value
Tensile strength	MPa	ISO527-1,2	175
Tensile strain at break	%	ISO527-1,2	3
Tensile modulus	MPa	ISO527-1,2	9600
Flexural strength	MPa	ISO178	260
Flexural modulus	MPa	ISO178	8600
Charpy notched impact strength	kJ/m ²	ISO179-1/1eA	11
Rockwell hardness (R scale)	-	ISO2039	120
Rockwell hardness (M scale)	-	ISO2039	100

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	220
Temperature of deflection under load at 1.8MPa	°C	ISO75-1,2	205

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	1.36

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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