

UBE Nylon 3020X15

Polyamide 12



General

Generic identification and marking	PA12
Market example	Automotive, Electrical & Electronics
Application example	Wire & Cable, Electrical & Electronics, Consumer Electronics
Processing example	Tube molding, Extrusion Coating
Elemental Technology	Heat resistant, Coating
Production area	Japan
Development product	Not applicable

Mechanical property	Unit	Test standard	Typical value
Tensile strength	MPa	ISO527-1,2	48
Tensile strain at break	%	ISO527-1,2	>150
Tensile modulus	MPa	ISO527-1,2	1500
Flexural strength	MPa	ISO178	58
Flexural modulus	MPa	ISO178	1500
Charpy notched impact strength	kJ/m ²	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	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	1.02

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.

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