

UBE Nylon 1013ASX25

Polyamide 6



General

Generic identification and marking	PA6+6T/6I
Market example	Automotive
Application example	Fuel Line
Processing example	Injection molding
Elemental Technology	Heat resistant, Low water absorption, Calcium chloride resistant, Good adhesion
Production area	Japan
Development product	Not applicable

Mechanical property

	Unit	Test standard	Typical value
Tensile strength	MPa	ISO527-1,2	78
Tensile strain at break	%	ISO527-1,2	30
Tensile modulus	MPa	ISO527-1,2	2700
Flexural strength	MPa	ISO178	105
Flexural modulus	MPa	ISO178	2500
Charpy notched impact strength	kJ/m ²	ISO179-1/1eA	7
Rockwell hardness (R scale)	-	ISO2039	120
Rockwell hardness (M scale)	-	ISO2039	85

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	165
Temperature of deflection under load at 1.8MPa	°C	ISO75-1,2	65

Electrical property

Molding property

	Unit	Test standard	Typical value
Mold shrinkage(MD)	%	ISO 294-4 D-2	1.0
Mold shrinkage(TD)	%	ISO 294-4 D-2	1.1

Other property

	Unit	Test standard	Typical value
Density	g/cm ³	ISO1183	1.14

Remarks

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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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