

UBE Nylon NAE2216

Polyamide 66 + Polyethylene



General

Generic identification and marking	PA66+PE
Market example	Automotive
Application example	Thermal Powertrain
Processing example	Injection molding
Elemental Technology	Glass fiber reinforced, Heat resistant, Low friction
Production area	Japan
Development product	Not applicable

Mechanical property

	Unit	Test standard	Typical value
Tensile strength	MPa	ISO527-1,2	150
Tensile strain at break	%	ISO527-1,2	5
Tensile modulus	MPa	ISO527-1,2	9300
Flexural strength	MPa	ISO178	220
Flexural modulus	MPa	ISO178	9200
Charpy notched impact strength	kJ/m ²	ISO179-1/1eA	13
Rockwell hardness (R scale)	-	ISO2039	115
Rockwell hardness (M scale)	-	ISO2039	90

Thermal property

	Unit	Test standard	Typical value
Melting temperature	°C	ISO11357	255-265
Temperature of deflection under load at 1.8MPa	°C	ISO75-1,2	250

Electrical property

	Unit	Test standard	Typical value
Comparative Tracking Index	-	UL746A	1
Volume resistivity	Ω · cm	IEC60093	10 ¹⁵

Molding property

Other property

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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