

# UBE Nylon 2020GU651

Polyamide 66



## General

Generic identification and marking	PA66-GF30
Market example	Automotive
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	190
Tensile strain at break	%	ISO527-1,2	3
Tensile modulus	MPa	ISO527-1,2	9600
Flexural strength	MPa	ISO178	285
Flexural modulus	MPa	ISO178	8800
Charpy notched impact strength	kJ/m <sup>2</sup>	ISO179-1/1eA	2
Rockwell hardness (R scale)	-	ISO2039	120
Rockwell hardness (M scale)	-	ISO2039	100
Rockwell hardness (R scale) after moisture absorption	-	ISO2039	113

## Thermal property

	Unit	Test standard	Typical value
Melting temperature	°C	ISO11357	255-
265Temperature of deflection under load at 1.8MPa	°C	ISO75-1,2	250
Coefficient of linear thermal expansion	x10 <sup>-5</sup> /K	ISO11359-2	2.5

## Electrical property

	Unit	Test standard	Typical value
Volume resistivity	Ω · cm	IEC60093	10 <sup>15</sup>
Volume resistivity after moisture absorption	Ω · cm	IEC60093	10 <sup>13</sup>

## Molding property

## Other property

	Unit	Test standard	Typical value
Density	g/cm <sup>3</sup>	ISO1183	1.36
Water absorption at equilibrium	%	UBE Method	0.6
Water absorption at saturated	%	UBE Method	5.5

## 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

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figures.

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