

- High rigidity high melting point biomass polyamide resin “MJ-390GNZ”
- GF reinforced high melting point biomass polyamide resin “MJ-365GT”
- Unreinforced high melting point biomass polyamide resin “MJ-300”

# VYLOAMIDE™ High rigidity high melting point biomass polyamide resin “MJ-390GNZ”

## Features

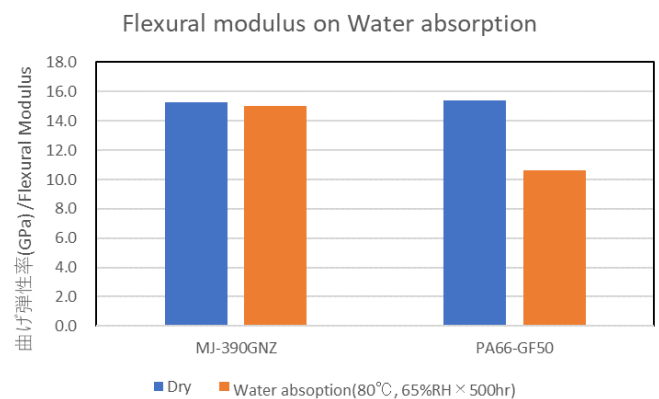
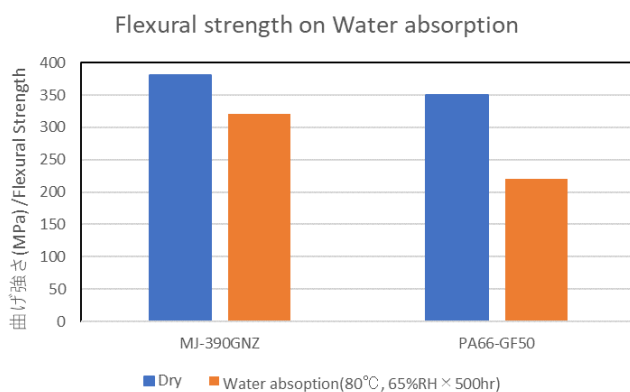
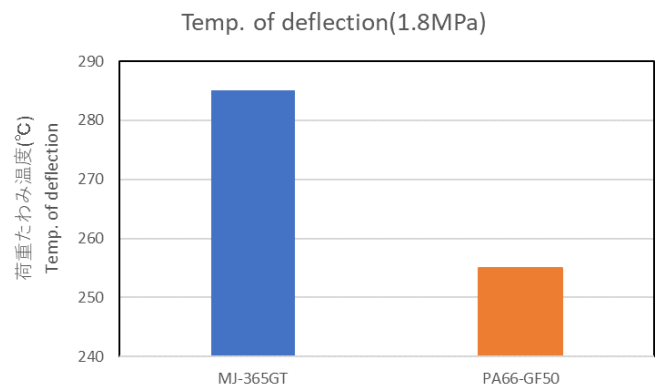
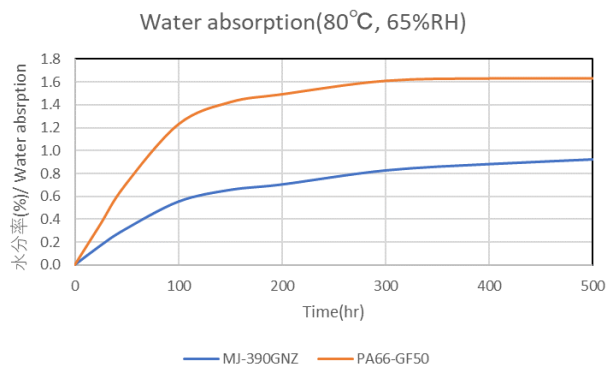
- High melting point 315°C
- Low water absorption
- Dimensional stability
- Oil and chemical resistance
- Biomass

## Applications

- Connectors
- Camera module
- Automobile parts
- Industrial parts
- Electrical and electronic parts, etc.

## Spec · Quality

	MJ-390GNZ	PA66-GF50
Features	High rigidity /Low water absorption	Standard
ISO Material Indication	>PA6T/11-GF50<	>PA66-GF50<
Water absorption(80°C,65%RH×500hr)	0.9	1.6
Density(g/cm <sup>3</sup> )	1.61	1.57
Tensile strength(MPa)	240	220
Elongation at brake(%)	2.2	2
Flexural strength(MPa)	380	350
Flexural modulus(GPa)	15.3	15.4
Charpy notched impact strength(kJ/m <sup>2</sup> )	15	16
Crystal melting point(°C)	315	265
Deflection Temp. Under Load(°C) 1.8MPa	285	255



\*Values and properties listed here are typical values, not guaranteed values.

## Features

- High melting point 315°C
- Low water absorption
- Dimensional stability
- Oil and chemical resistance
- Biomass

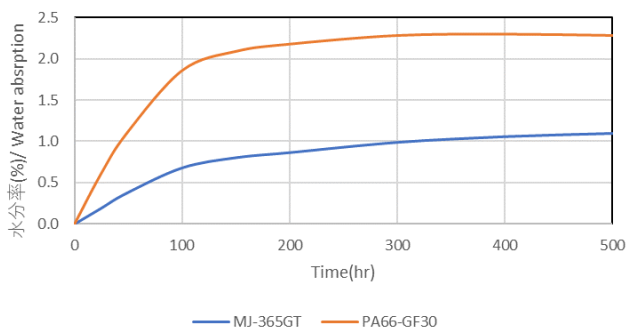
## Applications

- Connectors
- Camera module
- Earphone jack
- Switch parts
- Quick connectors, etc.

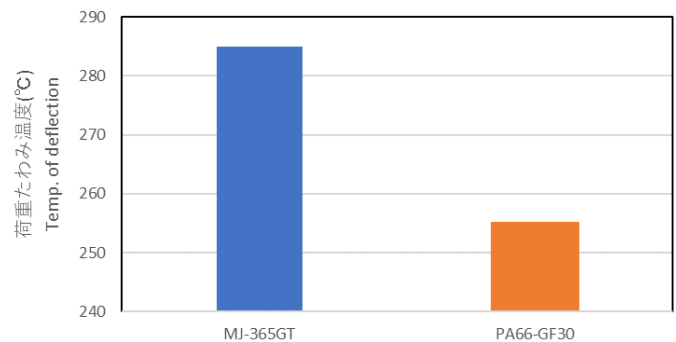
## Spec · Quality

	MJ-365GT	PA66-GF30
Features	High melting point /Low water absorption	Standard
ISO Material Indication	>PA6T/11-GF35<	>PA66-GF30<
Water absorption(80°C,65%RH×500hr)	1.1	2.3
Density(g/cm <sup>3</sup> )	1.44	1.37
Tensile strength(MPa)	160	180
Elongation at brake(%)	1.8	3.2
Flexural strength(MPa)	260	260
Flexural modulus(GPa)	10.9	8.7
Charpy notched impact strength(kJ/m <sup>2</sup> )	11	7
Crystal melting point(°C)	315	265
Deflection Temp. Under Load(°C) 1.8MPa	285	255

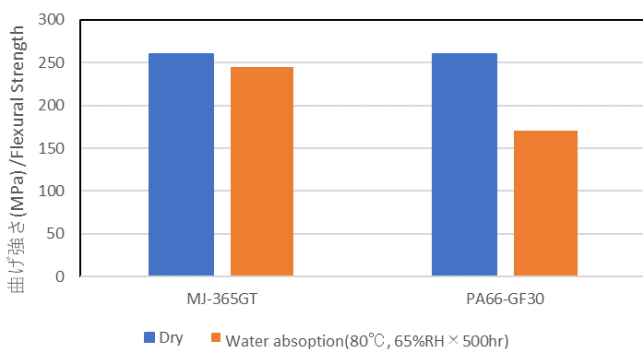
Water absorption(80°C, 65%RH)



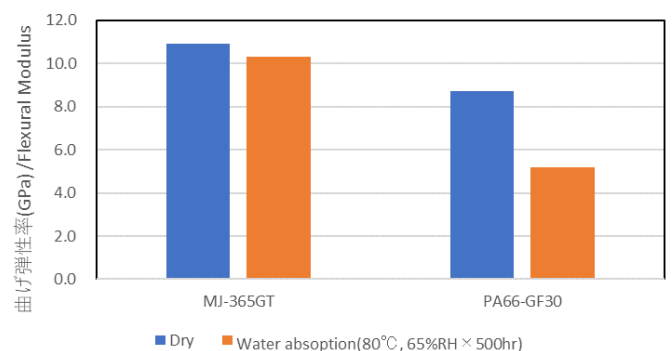
Temp. of deflection(1.8MPa)



Flexural strength on Water absorption



Flexural modulus on Water absorption



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## Features

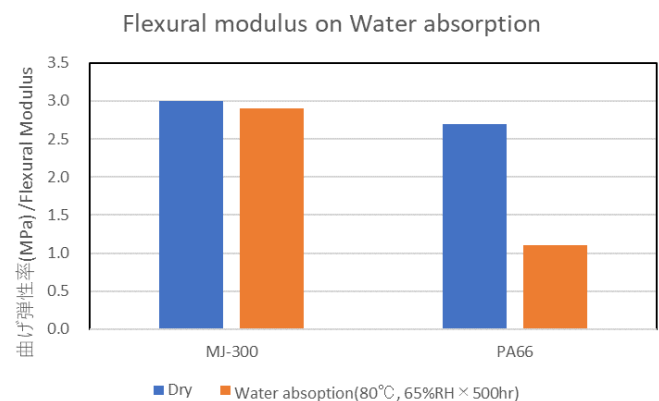
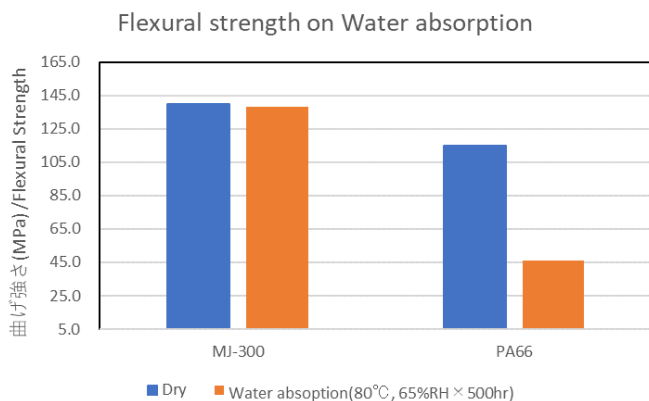
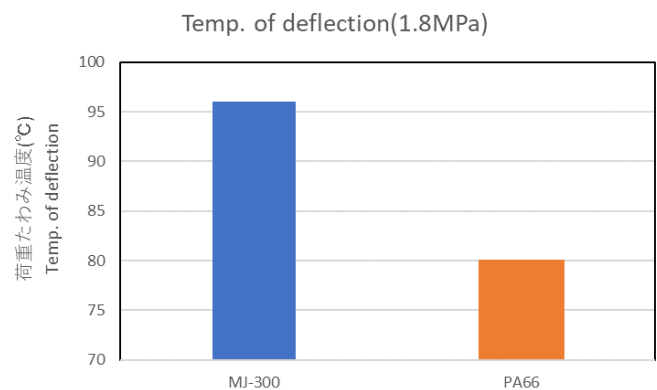
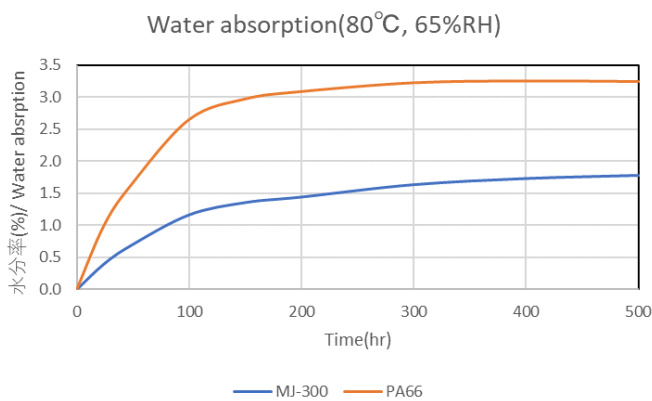
- High melting point 315°C
- Low water absorption
- Dimensional stability
- Oil and chemical resistance
- Biomass

## Applications

- Connectors
- Cable ties
- Gear
- Hinge, etc.

## Spec · Quality

	MJ-300	PA66
Features	High melting point /Low water absorption	Standard
ISO Material Indication	>PA6T/11<	>PA66<
Water absorption(80°C,65%RH×500hr)	1.8	3.3
Density(g/cm <sup>3</sup> )	1.15	1.14
Tensile strength(MPa)	85	80
Elongation at brake(%)	>4.0	>50
Flexural strength(MPa)	140	115
Flexural modulus(GPa)	3.0	2.7
Charpy notched impact strength(kJ/m <sup>2</sup> )	5.0	4.0
Crystal melting point(°C)	315	265
Deflection Temp. Under Load(°C) 1.8MPa	96	80



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