

# UBE Nylon 5023B

Polyamide 6/66



## General

|                                    |                   |
|------------------------------------|-------------------|
| Generic identification and marking | PA6/66            |
| Market example                     | General           |
| Application example                |                   |
| Processing example                 | Injection molding |
| Elemental Technology               | Neat resin        |
| Production area                    | Thailand          |
| Development product                | Not applicable    |

## Mechanical property

|                                | Unit              | Test standard | Typical value |
|--------------------------------|-------------------|---------------|---------------|
| Tensile strength               | MPa               | ISO527-1,2    | 75            |
| Tensile strain at break        | %                 | ISO527-1,2    | 50            |
| Tensile modulus                | MPa               | ISO527-1,2    | 2500          |
| Flexural strength さ            | MPa               | ISO178        | 90            |
| Flexural modulus               | MPa               | ISO178        | 2200          |
| Charpy notched impact strength | kJ/m <sup>2</sup> | ISO179-1/1eA  | 8             |
| Rockwell hardness (R scale)    | -                 | ISO2039       | 120           |
| Rockwell hardness (M scale)    | -                 | ISO2039       | 70            |

## Thermal property

|   | Unit | Test standard | Typical value |
|---|------|---------------|---------------|
| Temperature of deflection under load at 0.45MPa | °C   | ISO75-1,2     | 105           |
| Temperature of deflection under load at 1.8MPa  | °C   | ISO75-1,2     | 50            |

## Electrical property

## Molding property

## Other property

### Remarks

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\* The data described herein are averaged values obtained by specified measurement: they are not guaranteed figures.

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