

**[PA6/12 monofilament grade]**

**[040120]**

## UBE NYLON 7034 T

UBE NYLON 7034 T is a high viscosity Polyamide 6/12 copolymer, suitable for small and large diameter monofilament, especially suitable for fishing line (long line and branch line).

This material has following features:

- Extreme low water absorption
- Brilliant crystal appearance
- Good stretch-ability and line strength
- Excellent processability

| Property                                                         | Method    | Unit              | Value  |
|------------------------------------------------------------------|-----------|-------------------|--------|
| <b>Basic Properties</b>                                          |           |                   |        |
| Type                                                             | -         | -                 | PA6/12 |
| Relative viscosity (96% $\text{H}_2\text{SO}_4$ ; 1,0 g / 100ml) | JIS K6810 | -                 | 3,87   |
| Density                                                          | ISO 1183  | g/cm <sup>3</sup> | 1,11   |
| Extractable content                                              | JIS K6810 | wt%               | < 1,0  |
| <b>Thermal Properties</b>                                        |           |                   |        |
| Melting point                                                    | ISO 11357 | ° C               | 201    |

| Property                                       |            | Unit | Value |     |     |     |     |     |     |
|------------------------------------------------|------------|------|-------|-----|-----|-----|-----|-----|-----|
| Mechanical Properties of monofilament d = 2 mm |            |      |       |     |     |     |     |     |     |
| Draw ratio                                     |            |      | 4,8   | 5,0 | 5,3 | 5,5 | 5,8 | 6,0 | 6,5 |
| Line                                           | strength   | g/d  | 4,3   | 4,8 | 5,5 | 6,0 | 6,7 | 6,8 | 7,4 |
|                                                | tenacity   | kg   | 140   | 158 | 184 | 201 | 227 | 232 | 259 |
|                                                | elongation | %    | 49    | 47  | 37  | 38  | 37  | 35  | 32  |
| Tensile modulus                                |            | g/d  | 11    | 13  | 13  | 12  | 14  | 13  | 14  |
| Knot                                           | strength   | g/d  | 2,7   | 2,9 | 3,4 | 3,6 | 3,8 | 4,0 | 4,1 |
|                                                | tenacity   | kg   | 89    | 95  | 112 | 120 | 128 | 136 | 144 |
|                                                | elongation | %    | 33    | 32  | 32  | 32  | 30  | 30  | 30  |

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Please read the MATERIAL SAFETY DATA SHEET "MSDS" before using a UBE product.