



**AquaBlok®**

**WBY220**

**WBY165**

**WBY100**

**WBY50**

## Water Blocking Yarn

**Construction** ▲ Polyester yarn coated with super-absorbent compound

**Characteristics**

- ▲ Typically used in optical fiber cable
- ▲ Excellent swelling speed and rate
- ▲ Low dust
- ▲ Process friendly
- ▲ REACH and RoHS compliant

### Typical Properties

| Property             | Test Method  | Unit         | WBY220     | WBY165     | WBY100       | WBY50        |
|----------------------|--------------|--------------|------------|------------|--------------|--------------|
| Yield                | ISO 2060     | m/kg         | 4500 ± 500 | 6000 ± 600 | 10000 ± 1000 | 20000 ± 2000 |
| Tensile strength     | ISO 2060     | N            | ≥ 30       | ≥ 25       | ≥ 15         | ≥ 8          |
| Elongation           | ISO 2060     | %            | ≥ 10       | ≥ 10       | ≥ 10         | ≥ 10         |
| Swelling speed       | Q/TR 01-2010 | ml/g/1st min | ≥ 40       | ≥ 40       | ≥ 40         | ≥ 35         |
| Swelling rate        | Q/TR 01-2010 | ml/g         | ≥ 50       | ≥ 50       | ≥ 40         | ≥ 35         |
| Short-term stability | Q/TR 01-2007 | °C           | 230        | 230        | 230          | 230          |
| Long-term stability  | IEC 216      | °C           | 150        | 150        | 150          | 150          |
| Moisture content     | ISO 287      | %            | < 9        | < 9        | < 9          | < 9          |
| Yarn count           |              | Tex          | 220        | 170        | 100          | 50           |
| Yarn count           |              | Denier       | 1980       | 1530       | 900          | 450          |

Standard packaging: ID 76mm, traverse width 180mm, height of tube 220mm, 3 to 5 kg/bobbin

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Revised: