

# INDUFLEX

Twincor –PP-mod- flame - retardant



### Application area

Hose to be applied in machine construction and in automotive industry

### Material

Polypropylencopolymer, high heat stabilised, flame-retardant

### Chemical resistance

PP is resistant against nearly every medium (alcohol, fat, mineral oil, motor fuel). Only concentrated and strong oxidising acids can affect PP.

### Physical properties

#### Raw material:

|                                      |                  |                   |
|--------------------------------------|------------------|-------------------|
| Elastic modulus [MPa]                | DIN ISO 527-1/-2 | 1100              |
| Impact strength [kJ/m <sup>2</sup> ] | DIN ISO 179-1eU  | NB                |
| Tensile strength [MPa]               | DIN ISO 527-1/-2 | 22                |
| Elongation at break [%]              | DIN ISO 527-1/-2 | >250              |
| Volume resistivity [ $\Omega$ cm]    | DIN IEC 60093    | >10 <sup>12</sup> |
| Surface resistivity [ $\Omega$ ]     | DIN IEC 60093    | <10 <sup>12</sup> |
| UL                                   | V2               |                   |

#### Tube:

|                                  |                      |                |
|----------------------------------|----------------------|----------------|
| Working temperature (permanent)  | [°C]                 | -40 up to +130 |
| Working temperature (short term) | [°C]                 | +150           |
| Fire behaviour                   | FMVSS 302, DIN 75200 |                |

| Art. No.     | Diameter NW [mm] | Outer Ø [mm] | Inner Ø [mm] | Bending radius [mm] | Packing unit [m] |
|--------------|------------------|--------------|--------------|---------------------|------------------|
| TWK0853050U8 | 8,5              | 11,2         | 6,2          | 55                  | 50               |
| TWK0103050U8 | 10               | 12,9         | 7,9          | 60                  | 50               |
| TWK0123050U8 | 12               | 15,8         | 10,3         | 75                  | 50               |
| TWK0143050U8 | 14               | 18,7         | 13,2         | 80                  | 50               |
| TWK0173050U8 | 17               | 21,0         | 13,9         | 85                  | 50               |
| TWK0203050U8 | 20               | 25,5         | 19,8         | 110                 | 50               |
| TWK0233050U8 | 23               | 28,3         | 20,5         | 130                 | 50               |
| TWK0293025U8 | 29               | 34,5         | 26,6         | 140                 | 25               |
| TWK0373025U8 | 37               | 41,8         | 32,0         | 160                 | 25               |
| TWK0503025U8 | 50               | 54,2         | 43,0         | 170                 | 25               |

Subject to modifications and amendments! / February 2020