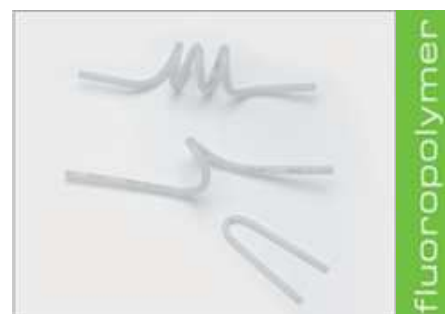




**KYNAR® FLEX 2800**  
**Linear flexible hose**



| COD.     | Dimensions |     | Weight | Bending radius | Pressure at 20°C |             |
|----------|------------|-----|--------|----------------|------------------|-------------|
|          | Ø o        | Ø i | gr. mt | mm             | burst ATM        | working ATM |
| TK 1x2   | 2          | 1   | 4,19   | 10             | 167              | 56          |
| TK 2x3   | 3          | 2   | 6,99   | 15             | 100              | 33          |
| TK 2x4   | 4          | 2   | 16,77  | 20             | 167              | 56          |
| TK 2,5x4 | 4          | 2,5 | 13,62  | 20             | 115              | 38          |
| TK 4x6   | 6          | 4   | 27,95  | 35             | 100              | 33          |
| TK 6x8   | 8          | 6   | 39,12  | 40             | 71               | 24          |
| TK 8x10  | 10         | 8   | 50,30  | 60             | 56               | 19          |
| TK 10x12 | 12         | 10  | 61,48  | 85             | 45               | 15          |
| TK 13x16 | 16         | 13  | 121,57 | 86             | 52               | 17          |

#### TEMPERATURE °C

Maximum working temperature -40°C + 90°C. The table here below shows pressure values expressed as a % in relation to temperature.

| 20°  | 40° | 60° | 80° | 90° |
|------|-----|-----|-----|-----|
| 100% | 75% | 62% | 50% | 25% |

#### TOLERANCES

± 0,05 on wall thickness  
 ± 0,05 on outside Ø up to 8 mm  
 ± 0,1 on outside Ø from 12 mm

#### CHARACTERISTICS

II KYNAR 2800 Polyvinylidene Fluoride, is a copolymer created for hoses requiring great flexibility and proven impact strength.

- excellent resistance to abrasion
- excellent flexibility at room temperature
- excellent flexibility below zero, up to -20°C (-4°F)
- excellent stress resistance up to -30°C (-22°F)
- excellent tensile strength
- excellent thermal stability
- excellent resistance to ageing
- excellent resistance to chemical products, even the most aggressive ones
- resistant to the elements
- resistant to fungal attack
- fireproof to UL94 V0

## DATA SHEET

| Property            | Unit              | Specification | Values |
|---------------------|-------------------|---------------|--------|
| Density             | G/cm <sup>3</sup> | ISO R1183D    | 1,78   |
| Melting point       | °C                | ISO 3416C     | 142    |
| Flexural modulus    | Mpa               | ISO 178       | 650    |
| Charpy impact       | J/m               | ISO 180       | 800    |
| Strength at yield   | Mpa               | ISO R527      | 26     |
| Elongation at yield | %                 | ISO R527      | 12     |
| Elongation at break | %                 | ISO R527      | >100   |
| Flame resistance    |                   | UL 94         | V0     |
| Hardness            | shore D           | ISO 868       | 68     |