



## S5 PVDF / Kynar Thin Wall Heat Shrink Tube

### Features

- Semi-rigid, cross-linked thin wall PVDF
- Excellent abrasion resistance
- Excellent chemical and solvent resistance
- High flame retardant VW-1
- High temperature protection
- Operating temperature: -55~175 °C
- Shrink temperature: 175 °C
- Shrink Ratio: 2:1
- Easy see-through inspection

### Dimensions

| Reference<br>UPM S5 PVDF | As supplied(mm)<br>ID min. | After recovered(mm)<br>ID max. | Standard length<br>WT nom.<br>m |
|--------------------------|----------------------------|--------------------------------|---------------------------------|
| 1.2/0.6                  | 1.2                        | 0.6                            | 0.20                            |
| 1.6/0.8                  | 1.6                        | 0.8                            | 0.20                            |
| 2.4/1.2                  | 2.4                        | 1.2                            | 0.23                            |
| 3.2/1.6                  | 3.2                        | 1.6                            | 0.23                            |
| 4.8/2.4                  | 4.8                        | 2.4                            | 0.23                            |
| 6.4/3.2                  | 6.4                        | 3.2                            | 0.28                            |
| 9.5/4.8                  | 9.5                        | 4.8                            | 0.28                            |
| 12.7/6.4                 | 12.7                       | 6.4                            | 0.28                            |
| 19.0/9.5                 | 19.0                       | 9.5                            | 0.40                            |
| 25.4/12.7                | 25.4                       | 12.7                           | 0.40                            |
| 38.1/19.0                | 38.1                       | 19.0                           | 0.51                            |

● ID=Internal Diameter

● WT= Wall Thickness

### Technical Data

|            | Property             | Test Method   | Values                  |
|------------|----------------------|---------------|-------------------------|
| Physical   | Tensile strength     | ASTM D638     | ≥ 30 MPa                |
|            | Breakdown elongation | ASTM D638     | ≥ 150%                  |
| Aging      | Tensile strength     | 180 °C/168hrs | ≥ 24 MPa                |
|            | Breakdown elongation | 180 °C/168hrs | ≥ 100%                  |
|            | Elasticity           | 180 °C/168hrs | No cracking             |
|            | Heat resistance      | 300 °C/hr     | No cracking             |
|            | Distortion           | 150°C/hr      | ≤ 50%                   |
|            | Incison modulus      | --            | ≥ 84.4 MPa              |
| Electrical | Volume resistivity   | ASTM D876     | ≥ 10 <sup>13</sup> Ω.cm |
|            | Dielectric strength  | ASTM D2671    | ≥ 15 KV/mm              |
| Chemical   | Flammability         | UL224         | VW-1                    |
|            | Copper corrosion     | 180 °C/168hrs | No corrosion            |
|            | Copper stability     | 180 °C/168hrs | Stable                  |

### Typical application

- Designed for applications that requiring 175 °C high temperature protection

### Ordering

- Standard color : Clear, Black
- Standard packaging on spools and/or 1.22m/pc
- Please specify specification, color, quantity when ordering

### Cross reference

- Raychem/Tyco : RW-175/ Kynar



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