



Heat Shrink Tubing

KYNAR™ Semi-Rigid Fluoropolymer Tubing

Data Sheet

Product Description

KYNAR is a semi-rigid highly transparent material, which maintains excellent mechanical strength even at high temperatures. KYNAR has high chemical and puncture resistance. It provides protection against aggressive fluids and excellent mechanical protection. Suitable for military, aerospace and industrial applications, KYNAR is approved to specifications such as VG 95343/5F.

Technical Features

| | | | |
|---|---|--|--------------|
| Continuous operating temperature range: | -55°C to +175°C | Shrink ratio: | 2 : 1 |
| Base material: | Polyvinylidene fluoride | Shrink temperature: | 175°C (min.) |
| Flammability: | Self extinguishing | Longitudinal change: | -10% max. |
| Tensile strength: | 45 N/mm ² | Dielectric strength: | 300 kV/cm |
| Specifications: | VG 95343/5 Type F (except 38.0) ¹⁾ PANAVIA 6491 (except 1.2 and 38.0) DIN-VDE 0341 T9005 (except 38.0) ¹⁾ | Def Stan 59 97/3 Type 3 MIL-I-23053/8 | |

Note: UL VW1 version (Kynar™U) ¹⁾ Approval held by 3M ECC Europa BV

Ordering Information

| Bore as supplied minimum (mm) | Bore recovered maximum (mm) | Wall thickness fully recovered (mm) | Standard pack reel (m) | | Standard colour |
|-------------------------------|-----------------------------|-------------------------------------|------------------------|--------------------|-----------------|
| | | | Reel (m) | Pieces 1.2m length | |
| 1.2 | 0.6 | 0.25 | 400 | 400 | Transparent |
| 1.6 | 0.8 | 0.25 | 400 | 400 | |
| 2.4 | 1.2 | 0.25 | 400 | 400 | |
| 3.2 | 1.6 | 0.25 | 400 | 200 | |
| 4.8 | 2.4 | 0.25 | 300 | 150 | |
| 6.4 | 3.2 | 0.3 | | 150 | |
| 9.5 | 4.8 | 0.30 | | 150 | |
| 12.7 | 6.4 | 0.30 | | 100 | |
| 19.0 | 9.5 | 0.43 | | 25 | |
| 25.4 | 12.7 | 0.48 | | 25 | |
| 38.0 | 19.0 | 0.51 | | 25 | |

Important Notice

Technical information provided by 3M is based on experience and/or tests believed to be reliable, but their accuracy is not guaranteed and the results may not be relevant to every user's application. For this reason 3M does not accept responsibility or liability, direct or consequential, arising from reliance upon any information provided and the user should determine the suitability of the products for their intended use. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence. All questions of liability relating to 3M products are governed by the seller's terms of sale subject where applicable to the prevailing law. If any goods supplied or processed by or on behalf of 3M prove on inspection to be defective in material or workmanship, 3M will (at its option) replace the same or refund to the Buyer the price paid for the goods or services. Except as set out above, all warranties and conditions, whether express or implied, statutory or otherwise are excluded to the fullest extent permissible at law. 3M is a trademark of the 3M Company. Printed in the UK. © 3M United Kingdom PLC, 2004.

Electrical Markets Division

3M United Kingdom PLC
Sales Office
PO Box 393
Bedford MK41 0YE
Telephone: 01234 229462
Fax: 01234 229433

3M Ireland

Sales Office
3M House, Adelphi Centre, Upper Georges Street
Dun Laoghaire, Co Dublin, Ireland
Telephone: 353 1 280 3555
Fax: 353 1 280 3509

3M United Kingdom PLC

Head Office
3M Centre, Cain Road
Bracknell, Berkshire RG12 8HT
Telephone: 01344 858000
Fax: 01344 858758