

HettaTube™ PTFE-260

High Performance Fluoropolymer Tubing



SUMMARY

HettaTube™ PTFE-260 high temperature range non-shrinkable tubing are ideal for applications requiring superior temperature performance, dielectric strength, and chemical resistance.

Constructed with PTFE fluoropolymer, **HettaTube™ PTFE-260** series are highly resistant to chemical attacks and solvent degradation, including hydrofluoric acid resistance.

Its non-stick surface with ultra-low coefficient of friction exhibits excellent abrasion & cut-through resistance, and flame retardancy.

HettaTube™ PTFE-260 series tubes are an optimum choice for applications in Medical, Aerospace, and Chemical manufacturing industries.

CONTACT

ESP - Insulated Products Division
(949) 420-2288
US-ESP.COM

PRODUCT HIGHLIGHTS

- Wide Temperature Range: -200°C to 280°C
- High Breakdown Voltage and Dielectric Constant
- High Chemical & Solvent Resistance
- Hydrofluoric Acid Resistance
- Lowest coefficient of friction of any polymer
- Excellent flex life
- UV Resistant

TECHNICAL SPECIFICATIONS

Material: PTFE

Voltage Rating: 24KV/mm

Temperature Rating: -200°C to 280°C

Melting Temp: 317°C – 327°C

Flame Rating: UL 94 V-0

MECHANICAL PERFORMANCE DATA

| PROPERTY | NOMINAL |
|----------------------|-------------------------------|
| Specific Gravity | 2.1 gr/cm ² |
| Tensile Strength | 280-352 kcm ² |
| Elongation | 200-400 % |
| Heat Deflection Temp | 4.6kg/cm ² , 260°C |
| Hardness (Shore D) | 50 to 55 |

ELECTRICAL PERFORMANCE DATA

| PROPERTY | NOMINAL |
|---------------------|-------------|
| Dielectric Strength | 24.0kV/mm |
| Permittivity | 106HZ < 2.1 |

QUALITY

SERVICE

INNOVATION

An ESP Performance Product

HettaTube™ PTFE-260

High Performance Fluoropolymer Tubing

Dimensions (Inches)

| AWG | ID (mm) | | | OD (mm) | | |
|------|---------|-------|-------|---------|--------|--------|
| Size | Min | Nom | Max | S Type | T Type | L Type |
| 30 | 0.010 | 0.012 | 0.015 | 0.030 | 0.030 | 0.024 |
| 28 | 0.013 | 0.015 | 0.018 | 0.033 | 0.033 | 0.027 |
| 26 | 0.016 | 0.018 | 0.021 | 0.036 | 0.036 | 0.030 |
| 24 | 0.020 | 0.022 | 0.026 | 0.046 | 0.042 | 0.034 |
| 23 | 0.023 | 0.026 | 0.029 | 0.050 | 0.046 | 0.038 |
| 22 | 0.026 | 0.028 | 0.032 | 0.052 | 0.048 | 0.040 |
| 21 | 0.029 | 0.032 | 0.035 | 0.056 | 0.052 | 0.044 |
| 20 | 0.032 | 0.034 | 0.038 | 0.065 | 0.057 | 0.046 |
| 19 | 0.036 | 0.038 | 0.042 | 0.069 | 0.061 | 0.050 |
| 18 | 0.040 | 0.042 | 0.046 | 0.074 | 0.066 | 0.054 |
| 17 | 0.045 | 0.047 | 0.052 | 0.078 | 0.070 | 0.059 |
| 16 | 0.051 | 0.053 | 0.058 | 0.084 | 0.076 | 0.065 |
| 15 | 0.057 | 0.059 | 0.065 | 0.091 | 0.083 | 0.071 |
| 14 | 0.064 | 0.066 | 0.072 | 0.098 | 0.090 | 0.082 |
| 13 | 0.072 | 0.076 | 0.081 | 0.107 | 0.100 | 0.092 |
| 12 | 0.081 | 0.085 | 0.091 | 0.117 | 0.109 | 0.101 |
| 11 | 0.091 | 0.095 | 0.101 | 0.126 | 0.119 | 0.111 |
| 10 | 0.102 | 0.106 | 0.112 | 0.137 | 0.130 | 0.122 |
| 9 | 0.114 | 0.118 | 0.122 | 0.157 | 0.148 | 0.134 |
| 8 | 0.129 | 0.133 | 0.139 | 0.172 | 0.163 | 0.149 |
| 7 | 0.144 | 0.148 | 0.155 | 0.187 | 0.178 | 0.164 |
| 6 | 0.162 | 0.166 | 0.174 | 0.206 | 0.196 | 0.186 |
| 5 | 0.182 | 0.186 | 0.195 | 0.225 | 0.216 | 0.206 |
| 4 | 0.204 | 0.208 | 0.218 | 0.247 | 0.238 | 0.228 |
| 3 | 0.229 | 0.234 | 0.244 | 0.273 | 0.264 | 0.254 |
| 2 | 0.258 | 0.263 | 0.273 | 0.302 | 0.293 | 0.283 |
| 1 | 0.289 | 0.294 | 0.305 | 0.333 | 0.324 | 0.313 |
| 0 | 0.325 | 0.330 | 0.342 | 0.369 | 0.360 | 0.350 |

QUALITY

SERVICE

INNOVATION

An ESP Performance Product