

PEEK heat shrink tubing



PEEK heat shrink tubing is available in lengths of 1,22 mtr or production lengths on spools, other lengths on request possible. Recovered wall thickness from 0,10 to 0,25 mm. Standard shrink ratio is 1.4:1. The standard colour of PEEK heat shrink tubing is brownish transparent/beige, other colours on request possible.

Benefits:

*Continuous service temperature: 260°C
Excellent abrasion resistance
Extends life of the protected item
Adhesion to metals
Available in colors*

Applications:

*Electrical component covering
Medical device protection
Wire/cable insulation/splice aid
Impact and wear resistant insulation*

Key properties of PEEK

- Very good chemical resistance
- Excellent strength, rigidity and toughness at elevated temperatures
- FDA approved
- UV resistant (does not age)
- Low permeability
- Low moisture absorption
- Low coefficient of friction
- Excellent electrical properties
- Application temperature +340°C → recommendation is to work with an oven with elevated temperatures and not recovery via heat gun.

Polyfluor

| Property | Specification | Unit | Value |
|-------------------------|---------------|-------|--------|
| Tensile Modulus | D638 | KSI | 1,309 |
| Tensile Stress at Yield | D638 | PSI | 14,503 |
| Glass transition temp | D3418 | °C | 161 |
| Dielectric strength | D149 | V/mil | 3570 |
| Crystallinity | D3814 | % | 40 |

* Tubing performance and characteristics may change based on tubing size.

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| AWG | ID inch | Recovered ID Inch/max | Wall thickness inch | | |
|-----|------------|--------------------------|---------------------|-------|-------|
| | | | Min | Nom | Max |
| 17 | 0,038 | 0,027 | 0,005 | 0,007 | 0,009 |
| 16 | 0,045 | 0,032 | 0,005 | 0,007 | 0,009 |
| 15 | 0,055 | 0,039 | 0,005 | 0,007 | 0,009 |
| 14 | 0,085 | 0,060 | 0,005 | 0,007 | 0,009 |
| 13 | 0,092 | 0,065 | 0,005 | 0,007 | 0,009 |
| 12 | 0,101 | 0,072 | 0,005 | 0,007 | 0,009 |
| 11 | 0,112 | 0,080 | 0,005 | 0,007 | 0,009 |
| 10 | 0,125 | 0,089 | 0,005 | 0,007 | 0,009 |
| 9 | 0,137 | 0,098 | 0,005 | 0,007 | 0,009 |
| 8 | 0,160 | 0,114 | 0,005 | 0,007 | 0,009 |
| 7 | 0,174 | 0,124 | 0,005 | 0,007 | 0,009 |
| 6 | 0,200 | 0,143 | 0,005 | 0,007 | 0,009 |
| 5 | 0,221 | 0,158 | 0,005 | 0,007 | 0,009 |
| 4 | 0,252 | 0,180 | 0,005 | 0,007 | 0,009 |
| 3 | 0,277 | 0,198 | 0,005 | 0,007 | 0,009 |
| 2 | 0,316 | 0,226 | 0,005 | 0,007 | 0,009 |
| 1 | 0,349 | 0,249 | 0,005 | 0,007 | 0,009 |
| 0 | 0,392 | 0,280 | 0,005 | 0,007 | 0,009 |