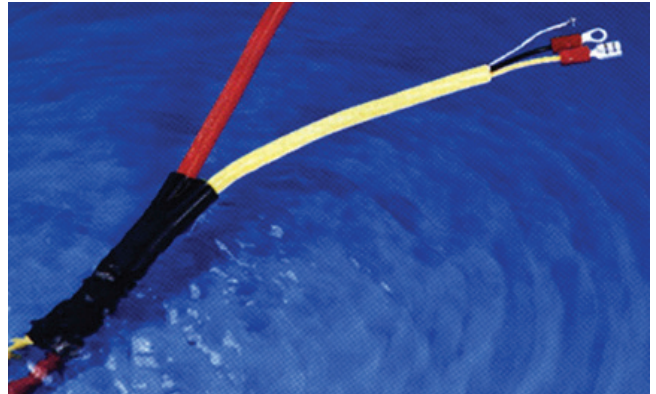


DERAY®-HXKT

Thin wall adhesive lined polyolefin

Semi-rigid, adhesive lined, heat shrink tubing ideal for higher temperature applications and where strain relief or abrasion resistance is required.



Features and Benefits

- Semi-rigid jacket for excellent strain relief
- Thick adhesive liner ensures complete environmental protection
- Seals against water and other contaminants
- Inner adhesive bonds to plastics, rubbers and metals
- Controlled adhesive viscosity prevents excessive flow on terminals
- Shrink ratio: >2:1
- Continuous operating temperature: -55°C to 110°C
- Shrink temperature: 110°C

Standards

- Industrial and automotive OEM approvals

Typical Applications

- Strain relief and sealing of terminals
- Corrosion protection

of high temperature components and brazed joints

- Mechanical protection of wire leads

>2:1

Shrink ratio

-55°C - 110°C
(-67°F to 230°F)

Continuous operating temperature

Markets:

Industrial, Automotive

Standards:



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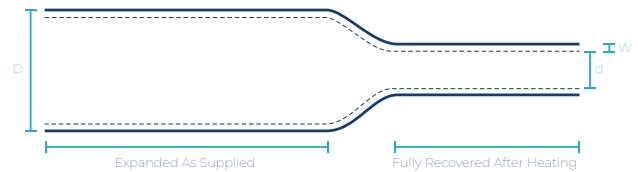
DERAY®-HXKT

| ORDER NUMBER | EXPANDED | RECOVERED | | | DELIVERY UNITS | |
|--------------|---------------------------|---------------------------|------------------------------|-------------------------------|----------------|----------------|
| | INTERNAL DIAMETER (MIN) D | INTERNAL DIAMETER (MAX) D | TOTAL WALL THICKNESS (NOM) W | ADHESIVE LINE THICKNESS (NOM) | SPOOL | LENGTHS |
| | mm (in) | mm (in) | mm (in) | mm (in) | m (ft) | 1.22 m / 48 in |
| 0125 | 3.2 (1/8) | 0.8 (0.031) | 0.90 (0.035) | 0.40 (0.016) | 300 (984) | 25 |
| 0187 | 4.8 (3/16) | 1.5 (0.059) | 1.40 (0.055) | 0.80 (0.031) | 300 (984) | 25 |
| 0250 | 6.4 (1/4) | 2.0 (0.079) | 1.40 (0.055) | 0.75 (0.030) | 300 (984) | 10 |
| 0375 | 9.5 (3/8) | 3.4 (0.134) | 1.65 (0.065) | 1.00 (0.039) | 150 (492) | 10 |
| 0500 | 12.7 (1/2) | 5.0 (0.197) | 1.70 (0.067) | 1.00 (0.039) | 100 (328) | 10 |
| 0750 | 19.0 (3/4) | 8.0 (0.315) | 1.95 (0.077) | 1.20 (0.047) | 50 (164) | 10 |
| 1000 | 25.4 (1) | 10.0 (0.394) | 2.00 (0.079) | 1.20 (0.047) | 50 (164) | 10 |
| 1250 | 31.8 (1 1/4) | 10.0 (0.394) | 2.00 (0.079) | 1.20 (0.047) | 50 (164) | 10 |

Ordering

- Select a dimension which will shrink snugly over the application to be covered. If recovery is restricted the resultant wall thickness will be less than specified.
- Select options:
 - Color: Black (BK)
- Please specify the product name, order number and options you require
- Example: DERAY®-HXKT, 0187 or 3/16", black

Please contact your Customer Service Representative for information on custom colors, sizes, lengths and material data sheet.



We advise that customers should separately evaluate the suitability of our products for their particular application. Our responsibilities are only those listed in our Standard Terms and Conditions of Sale for these products. Please ask for the latest version of this data sheet. Subject to modification without prior notice.

Technical data

| PROPERTY | CURRENT VALUES | TEST METHODS |
|--|--|---------------------|
| MATERIAL | | |
| Material | Polyolefin, modified; free of lead and cadmium | n/a |
| Surface | matt, smooth | n/a |
| Specific gravity | 1.25 g/cm ³ max. | ASTM-D 792, A-I |
| Shrink ratio | >2:1 | n/a |
| Longitudinal shrinkage | - 10 % max. | ASTM-D 2671 |
| MECHANICAL | | |
| Tensile strength | 15 MPa | IEC 60684-2 |
| Elongation | 400% | IEC 60684-2 |
| Secant modulus | 250 MPa max. | ASTM-D 882 |
| THERMAL | | |
| Tensile strength after heat aging (168 h at 158°C) | 14 MPa | UL 224 |
| Elongation after heat aging (168 h at 158°C) | 320% | UL 224 |
| Tensile Strength after heat shock (4 h at 200°C) | 15 MPa | IEC 811-1-2 |
| Elongation after heat shock (4 h at 200°C) | 360% | IEC 811-1-2 |
| Cold bend test | does not break at -55°C | ASTM-D 2671 Meth. C |
| Combustion behaviour | passed | FMVSS 302 |
| Shrink temperature | 110°C min. | n/a |
| Storage temperature | 50°C max. | n/a |
| Continuous operating temperature | -55°C to 110°C | IEC 216 |
| CHEMICAL | | |
| Corrosive action | non-corrosive | ASTM-D 2671 Meth. A |
| Compatibility with copper | non-corrosive | ASTM-D 2671 Meth. B |
| Resistance against chemicals | good | n/a |
| Water absorption | 0.50% max. | VDE 0473 |
| ELECTRICAL | | |
| Dielectric strength | 20 kV/mm | VDE 0303 Part 2 |
| Volume resistivity | 10 ¹⁵ Ω x cm | VDE 0303 Part 3 |

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