

Thermal Reflective Sleeve

# FITCO®Flect-V

FITCO®Flect-V is a flexible, aluminized fiberglass sleeving used to protect components in high temperature areas. An aluminized heat seal foil is adhesively bonded to a braided, fiberglass sleeve to produce a seamless barrier to radiant heat. The flexibility of FITCO®Flect-V allows it to conform easily to complex geometric designs. The smooth outer surface of FITCO®Flect-V provides component protection from extreme radiated heat as well as abrasion. It is designed to protect wire harnesses, hoses and pipes from the effects of radiant heat. FITCO®Flect-V also provides superior fluid resistance, brake and fuel lines.

**Operating temperature:** - 40°C to + 250°C



| Description         | Nominal size |        |
|---------------------|--------------|--------|
|                     | inch         | mm     |
| FITCO®Flect-V 1/4   | 0.250        | 6.30   |
| FITCO®Flect-V 1/2   | 0.500        | 12.70  |
| FITCO®Flect-V 5/8   | 0.650        | 15.80  |
| FITCO®Flect-V 3/4   | 0.750        | 19.00  |
| FITCO®Flect-V 7/8   | 0.875        | 22.20  |
| FITCO®Flect-V 1     | 1.000        | 25.40  |
| FITCO®Flect-V 1-1/4 | 1.250        | 31.70  |
| FITCO®Flect-V 1-1/2 | 1.500        | 38.10  |
| FITCO®Flect-V 1-3/4 | 1.750        | 44.50  |
| FITCO®Flect-V 1-7/8 | 1.875        | 47.60  |
| FITCO®Flect-V 2     | 2.000        | 50.80  |
| FITCO®Flect-V 2-1/4 | 2.250        | 57.10  |
| FITCO®Flect-V 2-1/2 | 2.500        | 63.50  |
| FITCO®Flect-V 3     | 3.000        | 76.20  |
| FITCO®Flect-V 3.5   | 3.500        | 88.90  |
| FITCO®Flect-V 4     | 4.000        | 101.60 |

\*Other sizes on request

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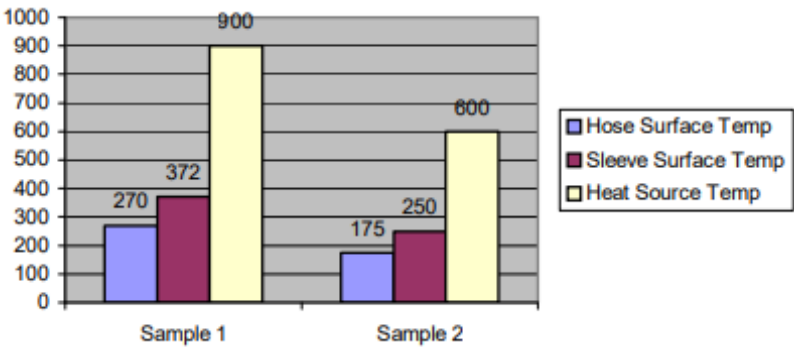
Packaging:

FITCO®Flect-V is available in a range of wall thickness: lighth 0.010" to less than 0.020", Medium 0.020" to less than 0.030" and Heavy 0.030 to less than 0.040", typically cut to length for each application. Also available on spools supplied in 25, 50 75 or 100 foot. Lamination is aluminum foil.

| Properties                         | Test Method                                   | Typical Value  |
|------------------------------------|---|--|
| <b>Mechanical</b>                  |   |  |
| Peel Strength<br>(0.30h x 23°C)    | ASTM D 1876                                   | 0.1 N/mm Min   |
| Burst Strength                     | ASTM D 3787                                   | Pending  |
| Wall thickness                     | -   | Light: 0.25 to 0.5 mm<br>Medium: 0.5 to 0.8 mm<br>Heavy: 0.8 to 1.0 mm |
| <b>Thermal</b>                     |   |  |
| Low tempertaure flexibility        | -   | - 60°C   |
| Thermal endurance<br>(6h x 537°C)  | 25cm above 1000°F / 537°C radiant heat source | No delamination  |
| Thermal endurance<br>(10h x 175°C) | Oven soak                                     | No cracking or delamination  |
| Flammability                       | ASTM D 4723                                   | Avg. time to flame-out   |

- Key Benefits:
- Outstanding protection against radiant heat 500°F / 260°C, and -40°C
  - Fray resistant ends
  - Tubular construction - no sew line
  - Light weight
  - Fluid and chemical resistant
  - Conforms to complex component designs

Temperature Performance Data - per SAE J2302 in °C



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