

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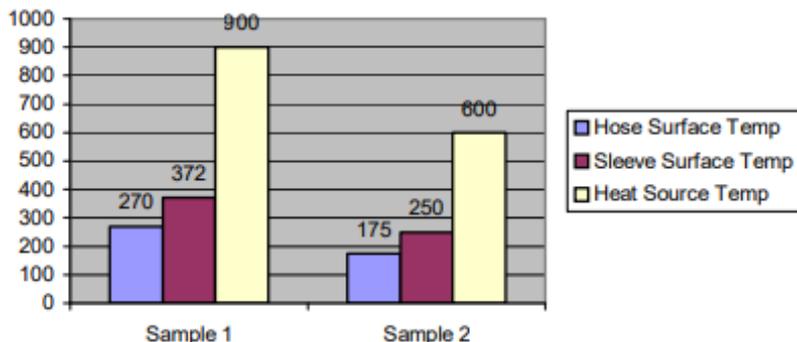
Packaging: FITCO®Flect-V is available in a range of wall thickness: light 0.010" to less than 0.020", Medium 0.020" to less than 0.030" and Heavy 0.030 to less than 0.040", typically cut to length for each application. Also available on spools supplied in 25, 50 75 or 100 foot. Lamination is aluminum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

Properties	Test Method	Typical Value
Mechanical		
Peel Strength (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 Medium: 0.5 to 0.8 mm Heavy: 0.8 to 1.0 mm
Thermal		
Low tempertaure flexibility	-	- 60°C
Thermal endurance (6h x 537°C)	25cm above 1000°F / 537°C radiant heat source	No delamination
Thermal endurance (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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