

# CAG<sub>m</sub> HEAT SHIELD TUBE



**Purpose** : The CAG<sub>m</sub> tube is applicable for thermal protection of critical components in high temperature environments. It serves as a flame resistant insulated cover for: hoses, fluid lines, plastic tubes, electrical harnesses, etc.

**Characteristics** : light weight, flexible, insulation, anti-corrosion

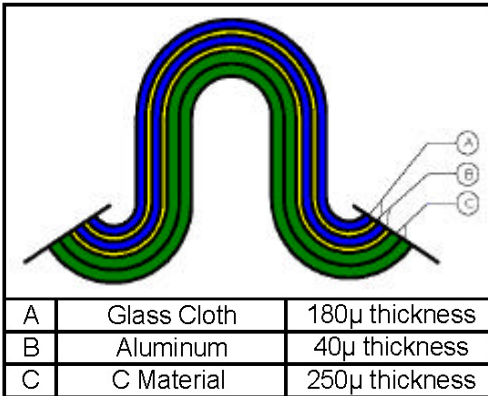
**Available Size** : Ø14.5 — Ø65 mm (ID)

**Bend "R"** : 1.7 x Diameter with no cracking

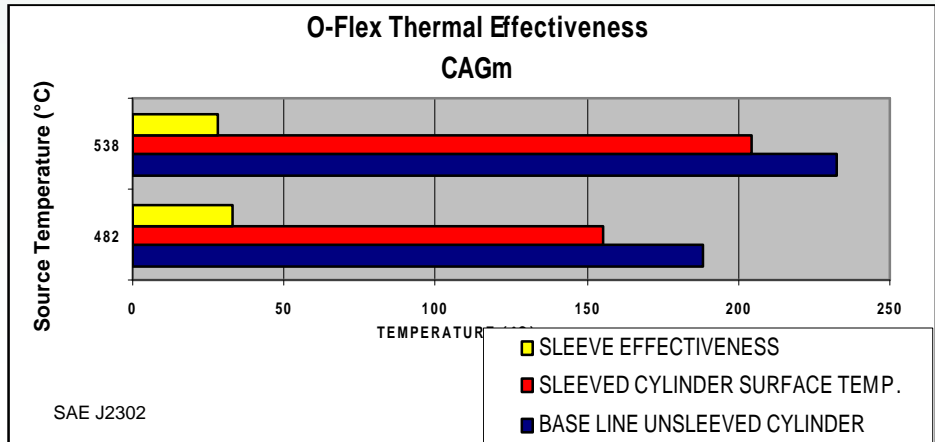
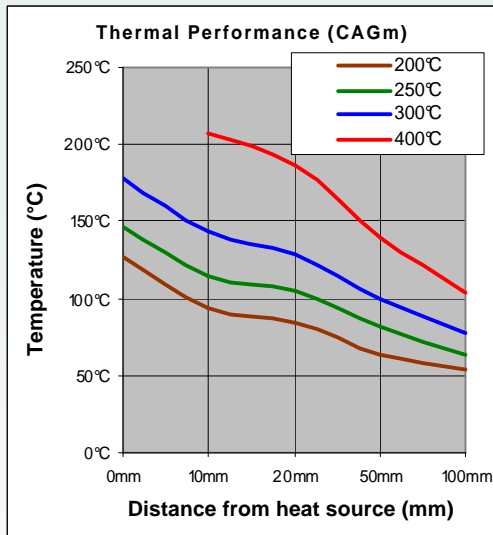
**Compression Strength** : 360N at 3mm

### Insulation Performance

Heater Source Temperature	Inside Surface Temperature (Diameter of tube @ 20mm)
200°C / 392°F	84°C / 183°F
250°C / 482°F	105°C / 221°F
300°C / 572°F	128°C / 262°F
400°C / 752°F	186°C / 367°F



Test Performed	Test Method	Test Results
Peel Strength	ASTM D-1876	Pass
Thermal Endurance	Oven Soak 24hrs at 175°C	No sign of product delamination or distortion
Flammability	ASTM D-4723 / FMVSS 302	Pass
Bend Test	1.7 x Diameter	No sign of cracking or deformation
Fluid Resistance	30 minute immersion <ul style="list-style-type: none"> <li>gasoline</li> <li>brake fluid</li> <li>diesel fuel (60 min)</li> <li>antifreeze solution</li> <li>motor oil</li> <li>transmission fluid</li> <li>power steering fluid</li> <li>distilled water</li> <li>washer fluid</li> </ul>	No sign of product degradation or delamination of coating  All passed
SAE J2302	Thermal Efficiency	Results - See chart below



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