

APA_m HEAT SHIELD TUBE



Purpose : The APA_m 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

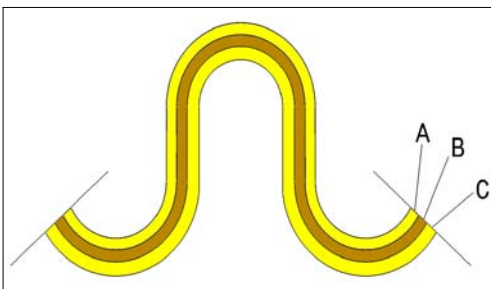
Available Size : Ø14.5 — Ø65 mm (ID)

Bend "R" : 1.7 x Diameter with no cracking

Compression Strength : 288N at 3mm

Insulation Performance

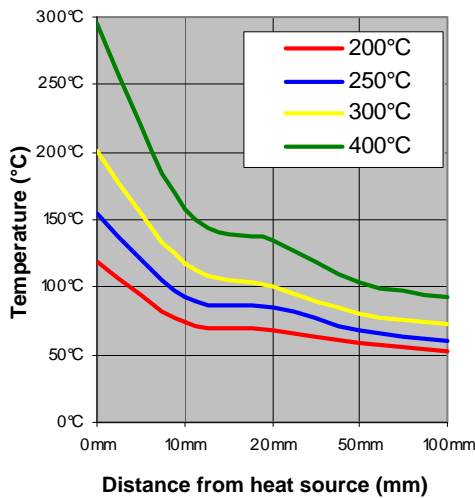
Heater Source Temperature	Inside Surface Temperature (Diameter of tube @ 20mm)
200°C	68°C
250°C	85°C
300°C	101°C
400°C	134°C



A	Aluminum	55µ thickness
B	Paper	185µ thickness
C	Aluminum	55µ thickness

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"> • gasoline • brake fluid • diesel fuel (60 min) • antifreeze solution • motor oil • transmission fluid • power steering fluid • distilled water • washer fluid 	No sign of product degradation or delamination of coating All passed
SAE J2302	Thermal Efficiency	Results - See chart below

Thermal Performance (APA_m)

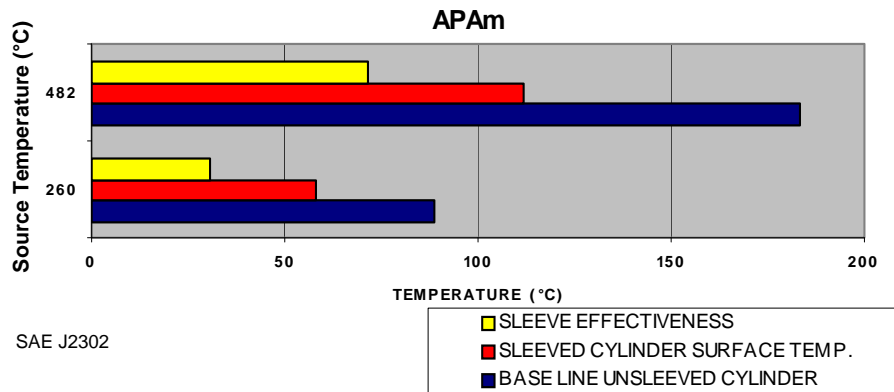


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O-Flex Thermal Effectiveness



SAE J2302