

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

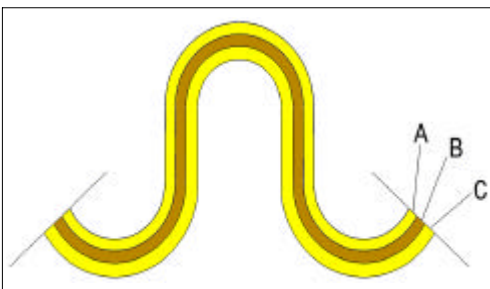
Available Size : Ø14.5 — Ø65 mm (ID)

Bend "R" : 1.7 x Diameter with no cracking

Compression Strength : 288N at 3mm

Insulation Performance

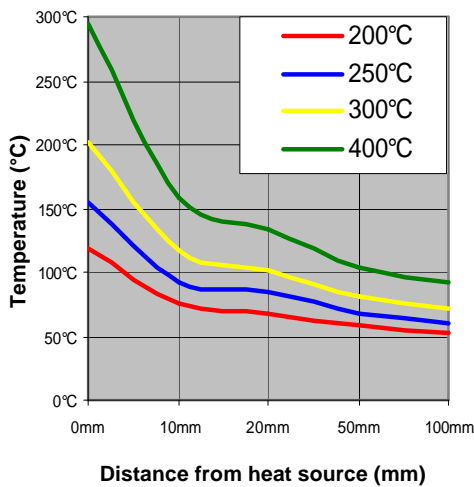
Heater Source Temperature	Inside Surface Temperature (Diameter of tube @ 20mm)
200°C / 392°F	68°C / 154°F
250°C / 482°F	85°C / 185°F
300°C / 572°F	101°C / 214°F
400°C / 752°F	134°C / 273°F



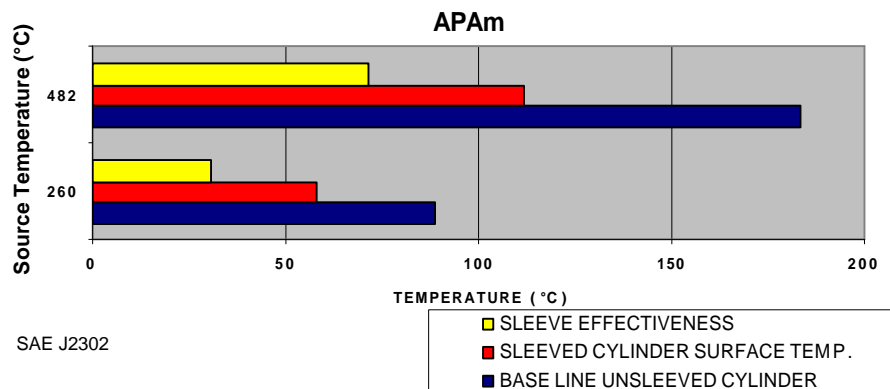
A	Aluminum	55µ thickness
B	Paper	185µ thickness
C	Aluminum	55µ thickness

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)



O-Flex Thermal Effectiveness



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