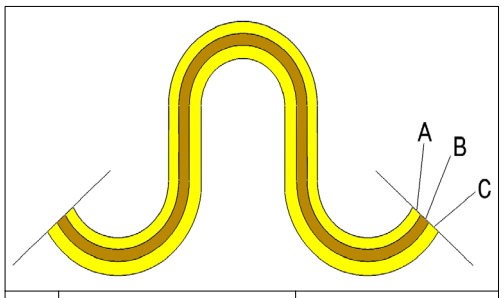
O-FLEX INC

O-FLEX AUTOMOTIVE

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

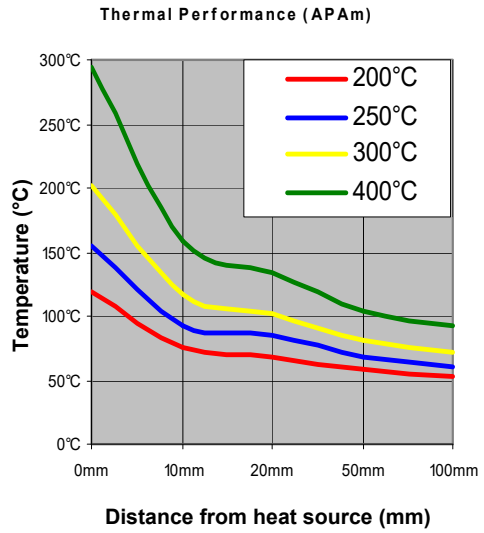


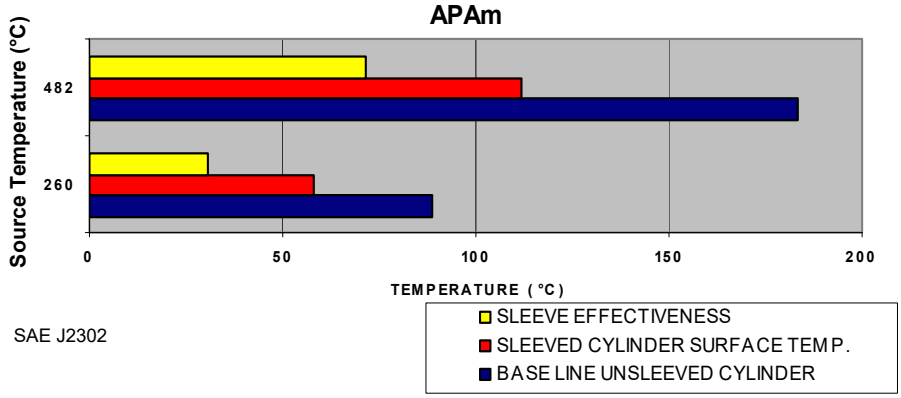
A	Aluminum	55µ thickness
B	Paper	185µ thickness
C	Aluminum	55µ thickness

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

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 defor-mation
Fluid Resistance	30 minute immersion • 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





SAE J2302

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