



AEROSPACE STANDARD

AS 1072A

Society of Automotive Engineers, Inc.

400 COMMONWEALTH DRIVE, WARRENDALE, PA. 15096

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SLEEVE, HOSE ASSEMBLY, FIRE PROTECTION

1. SCOPE

This standard defines the requirements for bulk protective sleeve to provide fire resistance for aircraft hose assemblies, which will enable these assemblies to meet the requirements of AS 1055.

2. REQUIREMENTS

2.1 Quality: All sleeves furnished under this standard shall comply with the requirements of AS 1055 when installed on the appropriate aircraft hose assemblies.

2.1.1 When installed on the appropriate aerospace hose assembly, the cut ends of the sleeving shall be protected with material that is compatible with the cover in order to prevent wicking of fluid to the inside of sleeving.

2.2 Fluid and Temperature Resistance:

2.2.1 Butyl Rubber Type: The coating shall be Butyl rubber with minimum 1/32 (.8 mm) thickness and grey or black in color, with green or silver identification markings, including the code "BTLFG".

2.2.1.1 Fluid Resistance: This sleeve shall be functional after exposure to the following fluids when tested as required in AS 1055:

Phosphate ester type hydraulic fluids
MIL-H-5606 hydraulic fluid
MIL-T-5624 jet fuel
MIL-L-7808 lubricating oil
MIL-L-23699 lubricating oil
MIL-H-83282 hydraulic fluid

Caution should be used in the selection of chlorinated cleaning fluids because of the possible damage to hose assemblies.

2.2.1.2 Temperature: This type of sleeve shall be usable in the range of -65°F (-54°C) to +250°F (+121°C).

2.2.2 Silicone Rubber Type: The coating shall be silicone rubber with minimum 1/32 (.8 mm) thickness and orange in color, with black or white identification markings, including the code "SILFG".

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- 2.2.2.1 Fluid Resistance: This sleeve shall be functional after exposure to the following fluids when tested as required in AS 1055:

Phosphate ester type hydraulic fluids
MIL-H-5606 hydraulic fluid
MIL-T-5624 jet fuel
MIL-L-6082 lubricating oil
MIL-L-7808 lubricating oil
MIL-L-23699 lubricating oil
MIL-H-83282 hydraulic fluid
RM 193A-3 (exp.) Mobil lubricating oil

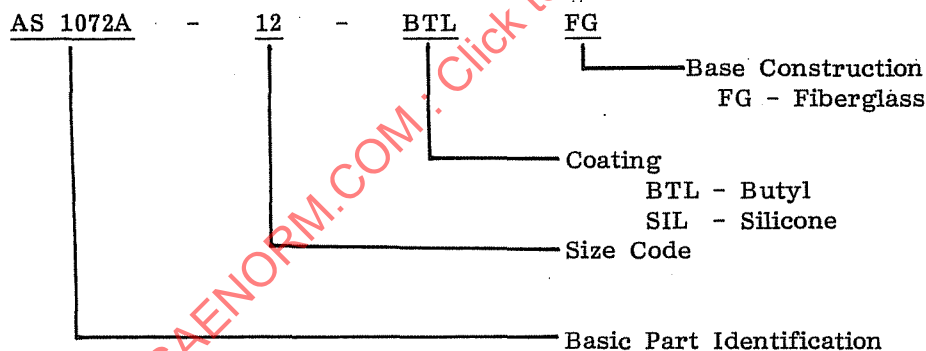
Caution should be used in the selection of chlorinated cleaning fluids because of the possible damage to hose assemblies.

- 2.2.2.2 Temperature: This type of sleeve shall be usable in the range of -65°F (-54°C) to +500°F (+262°C).

- 2.3 Asbestos: Asbestos shall not be used in the construction of these sleeves.

- 2.4 Identification: The sleeves shall be marked on the outer surface, parallel to the bore, with AS 1072, the dash number designating size, the coating description ("BTL", etc.), and base construction ("FG", etc.), in 3/8 inch (10 mm) high characters. The marking shall be resistant to rubbing and the fluids called out in 2.2.1.1 or 2.2.2.1. The identification strip shall be repeated every 12 inches (228.6 mm) or less along the entire length of the sleeve.

- 2.5 Example of Part Identification:



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