

SRI LANKA STANDARD 1209 : 2001

**SRI LANKA STANDARD
SPECIFICATION FOR RUBBER/SYNTHETIC
HOSES AND HOSE ASSEMBLIES FOR
LIQUEFIED PETROLEUM GAS IN
AUTOMOTIVES**

SRI LANKA STANDARDS INSTITUTION

Sri Lanka Standard
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ASSEMBLIES FOR LIQUEFIED PETROLEUM GAS IN AUTOMOTIVES

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SRI LANKA

Sri Lanka Standard
SPECIFICATION FOR RUBBER/SYNTHETIC HOSES AND HOSE
ASSEMBLIES FOR LIQUEFIED PETROLEUM GAS IN AUTOMOTIVES

FOREWORD

This Sri Lanka Standard was approved by the Technical Advisory Committee on Conversion of Automotive to bi-fuel (Petrol/LPG) propulsion system and was authorized for adoption and publication as a Sri Lanka Standard by the Council of the Sri Lanka Standards Institution on 2001-03-20

This Sri Lanka Standard specifies the requirements for rubber/synthetic hoses and hose assemblies, up to a maximum bore diameter of 20 mm, for use in motor vehicles with Liquefied Petroleum Gas (LPG) installations. The hoses are designed for use up to a maximum pressure of 3 MPa and a working temperature between -40°C and $+80^{\circ}\text{C}$.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or an analysis shall be rounded off in accordance with CS 102. The number of significant figures to be retained in the rounded off value shall be the same as that of the specified value in this standard.

The Sri Lanka Standards Institution gratefully acknowledges the use of the following publications in the preparation of this standard;

- a) ISO 8789 : Rubber hoses and hose assemblies for LPG in motor vehicles.
- b) AS/NZS 1869 : Hose assemblies for liquefied petroleum gas (LPG), Natural gas and town gas
- c) UN Regulation No. 67

NOTE

If hoses are used at temperatures higher than 80°C , i.e. in an engine compartment and/or as connecting hoses with exhaust-pins (used by air-cooled engines for the evaporation of the gas) it will have to be shown that these hoses can withstand the higher temperatures.

1 SCOPE

This Sri Lanka Standard specifies the requirements of rubber hoses and hose assemblies and synthetic hoses and hose assemblies, up to a maximum bore diameter of 20 mm., for use in motor vehicles operated by Liquefied Petroleum gas installation. It covers the hoses and hose assemblies designed for use up to maximum operating pressure of 3 MPa and working temperature between -40°C and $+80^{\circ}\text{C}$.