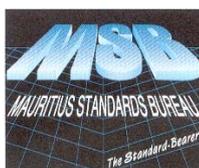

**Rubber and plastics tubing and
hoses for liquefied petroleum gas
(LPG) – Specification**

ICS 23.040.70



**Mauritius Standards Bureau
Moka**

Gr 11



COPYRIGHT PROTECTED DOCUMENT

© MSB 2006

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Mauritius Standards Bureau at the address below

*Mauritius Standards Bureau
Villa Road
Moka
Mauritius*

*Telephone + (230) 433 3648
Fax + (230) 433 5051/ 433 5150
E-mail msb@intnet.mu*

Contents

	Page
Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Classification	3
5 Construction	3
6 Dimensions	4
7 Requirements of materials	5
8 Performance requirements of tubing and hoses	6
9 Test methods	8
10 Test frequency	9
11 Packing and marking	11
12 Sampling and compliance with the standard	12
13 Inspection	13
Annex A (<i>normative</i>) Test for resistance to n-pentane	14
Annex B (<i>normative</i>) Test for resistance to kinking	15
Annex C (<i>normative</i>) Test for flammability	16
Annex D (<i>normative</i>) Test for strength and stretch	17
Annex E (<i>informative</i>) Notes to users	22

Foreword

This Mauritian Standard was drawn up by the Mechanical Engineering Standards Committee through its Subcommittee on LPG Accessories for Domestic Appliances and approved by the Standards Council on 19 December 2005 and was published in the Government Gazette on 18 February 2006*.

In preparing this standard, assistance was made to the following:

- | | |
|-------------------------|---|
| EN 1763-1:2000 | <i>Rubber and plastics tubing, hoses and assemblies for use with commercial butane and their mixtures in the vapour phase -
Part 1: Requirements for rubber and plastics tubing and hoses</i> |
| SABS 1156-2:2000 | <i>Hose for liquefied petroleum gas (LPG) -
Part 2: Hose and tubing for use in LPG vapour phase and LPG-air installations</i> |
| IS 10908 | <i>Specification for flexible rubber tubing for liquefied petroleum gas</i> |

Acknowledgement is made for the use of information from the above publications.

* General Notice No.228 of 2006

Rubber and plastics tubing and hoses for liquefied petroleum gas (LPG) - Specification

1 Scope

This Mauritian Standard specifies the properties and performance requirements for flexible rubber and plastics tubing and hoses for use with liquefied petroleum gases (LPG) in the vapour phase in appliances, in environments between a minimum ambient temperature of $-30\text{ }^{\circ}\text{C}$ and a maximum ambient temperature of $+60\text{ }^{\circ}\text{C}$.

The tests detailed in this standard are also applicable to tubing and hoses which form part of an assembly, such as that used for connecting a cylinder to a regulator.

NOTE: Flexible rubber and plastics tubing and hoses conforming to this standard may be used where contact with appliances having a maximum surface temperature of $90\text{ }^{\circ}\text{C}$ may occur.

This Mauritian Standard does not apply to hoses for welding purposes.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest document (including any amendments) applies.

ISO 37	<i>Rubber, vulcanized or thermoplastic – Determination of tensile stress-strain properties</i>
ISO 176	<i>Plastics - Determination of loss of plasticizers – Activated carbon method</i>
ISO 188	<i>Rubber, vulcanized or thermoplastic – Accelerated ageing and heat resistance tests</i>
ISO 1307	<i>Rubber and plastics hoses for general-purpose industrial applications – Bore diameters and tolerances and tolerances on length</i>
ISO 1402	<i>Rubber and plastics hoses and hose assemblies – Hydrostatic testing</i>