

# TEST REPORT



Your Ref: - Date: 01 April 2003  
Our Ref: 54S031477/LNB Page: 1/2  
DID: 68851432 Fax: 67793903

**NOTE: This Report** is issued subject to the "Terms and Conditions Governing Technical Services" set out in the "Request for Technical Services" form. The terms and conditions governing the issue of this report are set out overleaf.

## **SUBJECT:**

Testing of uPVC pipes.

## **TESTED FOR:**

Litaflex Plastics Mfg Pte Ltd  
10, Senoko Drive  
Singapore 758198

Attn: Mr Alex Y. S. Tan

## **TEST METHOD:**

JIS K 6741 : 1999 - Japanese Industrial Standard – Unplasticized Polyvinyl Chloride (PVC) Pipes.

## **SAMPLE DESCRIPTION:**

The following nominal size of " LITAFLEX " Brand UPVC pipe was submitted for testing on 20/3/2003.

Nominal Size	Tests Conducted	Painted markings on uPVC pipes submitted
16mm dia.	<ol style="list-style-type: none"><li>1. Dimensional measurements</li><li>2. Tensile</li><li>3. Flattening</li><li>4. Hydrostatic pressure</li><li>5. Softening point</li></ol>	LITAFLEX JIS K – 6741 : 1999 Class VU 16mm UPVC DRAIN PIPE



Your product quality and safety mark



LA-2001-0212-A The results reported herein have been  
LA-2001-0213-F performed in accordance with the  
LA-2001-0214-E laboratory's terms of accreditation under the  
LA-2001-0215-B Singapore Accreditation Council -  
LA-2001-0216-G Singapore Laboratory Accreditation  
LA-2001-0217-G Scheme

**TEST RESULTS:****(1) Dimensional Measurements**

Item Measured	Nominal diameter			JIS K 6741 : 1999 Requirements
	1	2	3	
Outside diameter (mm)	21.9	22.0	21.9	-
Wall thickness (mm)	1.9	1.9	1.9	-

**(2) Tensile Test**

Nominal Diameter	16mm	JIS K 6741 : 1999 Requirements Clause 9.3
Tensile strength (MPa)	62	Min. 47

**(3) Flattening Test**

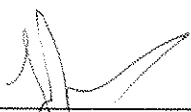
Nominal Diameter	16mm	JIS K 6741 : 1999 Requirements Clause 9.5
Result	Passed	No cracks or fissures

**(4) Hydrostatic Pressure Test**

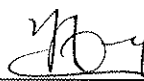
Nominal Diameter	16mm	JIS K 6741 : 1999 Requirements Clause 9.4
Pressure Applied ( bar )	15	15
Result	Passed	No defects such as leakage

**(5) Softening Point**

Nominal Diameter	16mm	JIS K 6741 : 1999 Requirements Clause 9.7
Result	85°C	76°C min



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Assistant Product Manager  
Polymer Products  
Testing Group