



MALAYSIAN STANDARD

MS 2713-2:2021,
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**Multilayer unplasticized poly(vinyl chloride)
(PVC-U) pipes for water supply and for buried
and above ground drainage and sewerage under
pressure application - Part 2: Pipes**

AMENDMENT 1

ICS: 23.040.20; 23.040.45; 91.140.60; 93.025

Descriptors: plastics, piping systems, water supply, buried and above-ground drainage, sewerage under pressure, PVC-U, unplasticized poly(vinyl chloride), pipes

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Amendment of Malaysian Standard

MS 2713-2:2021

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(1) Subclause 5.4, Page 5

To replace the reference document stated in the clause as follows:

The multilayer pipe shall be tested in accordance with ISO 4892-3 with a minimum radiant exposure energy of 3.5 GJ/m². The elongation at break of the pipe shall be above 50% of the value before exposure.

(2) Subclause 8.3, Table 9, Page 15

To replace the temperature value (°C) of test parameters for integral socket with nominal diameter (d_n) > 90 mm as follows:

Table 9. Pressure test requirements for all types of integral sockets on pipes

Characteristic	Requirement	Test parameters						Test method
		Nominal diameter	Temp.	Pressure	Time	Type of test	Number of test pieces ^a	
		d_n	°C	bar	h			
Internal pressure	No failure during the test	≤ 90 mm	20	$4.2 \times PN$	1	Water in water	3	ISO 1167-1 and ISO 1167-2
		> 90 mm	20	$3.36 \times PN$				
^a The number of test pieces given indicates the number required to establish a value for the characteristic described in the table. The number of test pieces required for factory production control and process control should be listed in the manufacturer's quality plan.								

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