



# NEMSU HOLDINGS (PVT) LTD

QUALITY ASSURANCE DEPARTMENT

## PRODUCT SPECIFICATION

Revision no

Amendment no

Date of Issue

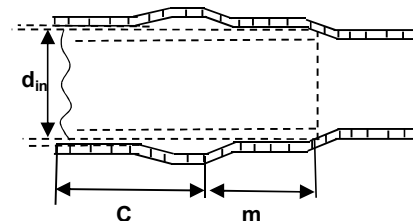
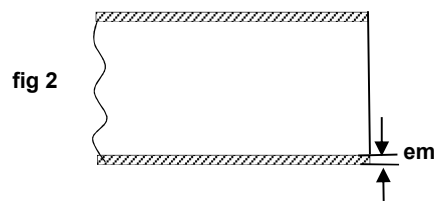
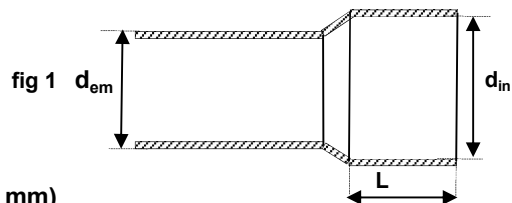
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**NAME OF THE PRODUCT** : uPVC Pipes (20mm to 90mm)

**BRAND** : NEMSU

**SPECIFIC FIELD OF APPLICATION** : For Portable Cold water under pressure

**STANDARD** : SLS 147- 2013



### 01. Dimensions (All in mm)

Nominal Diameter <b>d<sub>n</sub></b>	Mean OD <b>d<sub>em</sub></b>		Out of Roundness	For socketed pipes									Wall Thickness <b>e<sub>m</sub></b>									
				Solvent cement sockets(fig 1)				Elastomeric ring seal joints sockets (fig 2)														
			S-12.5 to S-5	Mean inside diameter of socket <b>d<sub>in</sub></b>	Maximum out of roundness <b>d<sub>0</sub></b>	Minimu m socket length <b>L<sub>min</sub></b>	Minimu m mean inside diameter of socket <b>d<sub>in</sub></b>	Maximum out of roundness for <b>d</b>		Minimum depth of engagement <b>m<sub>min</sub></b>	Length of socket entrance and sealing area <b>L<sub>s</sub></b>	S-12.5		S-10		S-8		S-6.3		S-5		
												SDR 26		SDR 21		SDR 17		SDR 13.6		SDR 11		
												PN <sub>T</sub> 7 to PN <sub>T</sub> 18		PN <sub>T</sub> 7		PN <sub>T</sub> 9		PN <sub>T</sub> 11		PN <sub>T</sub> 14		PN <sub>T</sub> 18
Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max			
20	20.0	20.2	0.5	20.1	20.3	0.25	16.0	20.3	-	0.3	55	27	-	-	-	-	-	-	1.5	1.9	1.9	2.3
25	25.0	25.2	0.5	25.1	25.3	0.25	18.5	25.3	-	0.3	55	27	-	-	-	-	1.5	1.9	1.9	2.3	2.3	2.8
32	32.0	32.2	0.5	32.1	32.3	0.25	22.0	32.3	0.6	0.3	55	27	1.5	1.9	1.6	2.0	1.9	2.3	2.4	2.9	2.9	3.4
40	40.0	40.2	0.5	40.1	40.3	0.25	26.0	40.3	0.8	0.4	55	28	1.6	2.0	1.9	2.3	2.4	2.9	3.0	3.5	3.7	4.3
50	50.0	50.2	0.6	50.1	50.3	0.30	31.0	50.3	0.9	0.5	56	30	2.0	2.4	2.4	2.9	3.0	3.5	3.7	4.3	4.6	5.3
63	63.0	63.3	0.8	63.1	63.3	0.40	37.5	63.4	1.2	0.6	58	32	2.5	3.0	3.0	3.5	3.8	4.4	4.7	5.4	5.8	6.6
75	75.0	75.3	0.8	75.1	75.3	0.50	43.5	75.4	1.2	0.7	60	34	2.9	3.4	3.6	4.2	4.5	5.2	5.6	6.4	6.8	7.7
90	90.0	90.3	1.1	90.1	90.3	0.60	51.0	90.4	1.4	0.9	61	36	3.5	4.1	4.3	5.0	5.4	6.2	6.7	7.6	8.2	9.3

Note : The preferred nominal length would be 4m or 6m which does not include the depth of socket.

S - Dimensionless number for pipe designation

PN<sub>T</sub> : Nominal Pressure at 30°C Temperature.

SDR - Standard Diameter Ratio

Prepared by : Q.A Executive

Approved by : Q.A Manager



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		Specification
02. Material		uPVC
03. General Characteristics		
Appearance		Free from any defects
Colour		Grey
Marking		Logo, uPVC, Diameter, Thickness Type, w/p, Batch Code
04. Physical & Chemical Properties		
Vicat Softening Temperature		80°C (min)
Longitudinal Reversion		±5%
Resistance to Acetone		Should not Delamination or Disintegration
Material Density		1350kgm <sup>-3</sup> - 1460kgm <sup>-3</sup>
Tensile Properties		45Mpa (min)
Elongation at Break		80% (min)
Effect of Materials on Water Quality		Lead Content should not higher than 0.01mg/l
05. Mechanical Properties		
Hydraulic Pressure		Should not Burst
Resistance to Impact at 0°C		Should not Crack

Prepared by : Q.A Executive

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