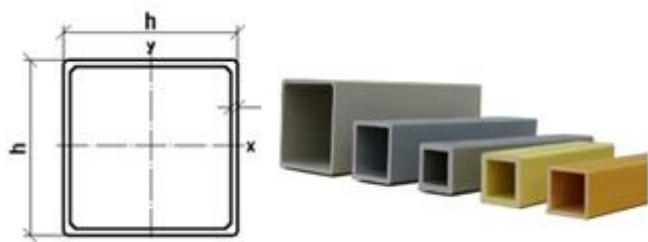


## Square Tube



Depth or width	Thickness	Area	Weight	X-X axis or Y-Y axis		
				I	W	i
h mm	t mm	A mm <sup>2</sup>	M kg/m	mm <sup>4</sup>	mm <sup>3</sup>	mm
25,40	3,18	274	0,47	22518	1773	9,06
37,3	2,8	378	0,7	74510	3998	14,02
44,0	2,8	447	0,83	123600	5670	16,61
44,0	6,0	893,6	1,65	214800	9832	15,50
50,80	3,18	592	1,03	221810	8733	19,36
50,80	6,35	1116	1,93	371445	14624	18,24
60,0	4,5	991	2,0	509100	16980	22,66
101,5	3,85	1538	2,75	2393650	47165	39,89

Mechanical properties (standart LVS EN ISO 527)	Units	M1, P1 Series
Tensile Strength (LW)	MPa	170,0 – 226,9
Tensile Strength (CW)	MPa	24,0 – 40,0
Crushing Stress (LW)	MPa	219,0 – 226,0
Crushing Stress (CW)	MPa	50,0 – 114,0

Flexural Strength (LW)	MPa	170,0 – 226,9
Flexural Strength (CW)	MPa	70,0 – 75,6
Strength At The Cut	MPa	15,0 – 25,0
Elastic Modulus (LW)	GPa	17,0 – 22,0
Elastic Modulus (CW)	GPa	25,0 – 16,0
Shear Modulus	GPa	2,9 – 3,4
Poisson's Ratio (LW)	mm/mm	0,35
Poisson's Ratio (CW)	mm/mm	0,15
Elongation		0,2 – 1,9%

<b>Physical (LVSENISO 527)</b>		
Barcol Hardness		45
Water Absorption	%Max	0,6
Density, Specific Gravity	Mg / M <sup>3</sup>	1,66-1,93
Coefficient of Thermal Expansion (LW)		8
Thermal Conductivity (PF)	W/MK	0,58

<b>Electrical properties</b>		
Dielectric Strength (LW) (test standard IEC 60234)	kV/mm	till 1,58
Dielectric Strength (PF) (test standard IEC 60234)	kV/mm	till 7,9
Arc Resistance (LW)	seconds	120
Dielectric Constant (PF)	60 Hz	5,2