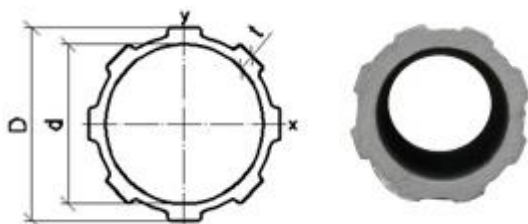


## Ladder Rung



Outside Diameter	Inside Diameter	Thickness	Area	Weight	X – X axis or Y - Y axis		
					I	W	i
D mm	D mm	t mm	A mm <sup>2</sup>	M kg/m	I mm <sup>4</sup>	W mm <sup>3</sup>	i mm
31,3	31,8	25,4	353	0,66	38290	2245	10,46
<b>Mechanical properties (standart LVS EN ISO 527)</b>						<b>Units</b>	<b>M1, P1 Series</b>
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%
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<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