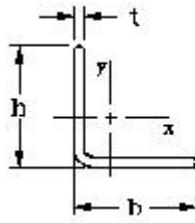


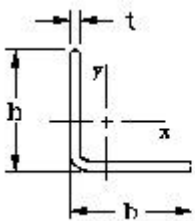
Angle

Equal Angle



Depth	Width	Thickness	Area	Weight	X - X axis or Y - Y axis			
h mm	b mm	t mm	A mm ²	M kg/m	I mm ⁴	W mm ³	i mm	Rz mm
25,40	25,40	3,18	144	0,27	8574	487	7,72	4,61
40,00	40,00	3,18	236,8	0,44	36630	1278	12,4	7,54
50,80	50,80	3,18	305	0,53	77253	2106	15,91	9,80
50,80	50,80	6,40	595	1,03	140728	3944	15,38	9,68
60,00	60,00	4,00	456,2	0,84	159800	3687	18,7	12,43
76,20	76,20	4,76	695	1,20	394171	7135	23,82	14,91
76,20	76,20	9,53	1347	2,33	716418	13355	23,07	14,68

Unequal angle



Depth	Width	Thickness	Area	Depth	X - axis			Y - axis		
h mm	b mm	t mm	A mm ²	M kg/m	I mm ⁴	W mm ³	i mm	I mm ⁴	W mm ³	i mm
120	30	3,2	469	0,85	699965	14186	38,6	21234	4892	6,7

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%

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

Electrical properties		
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