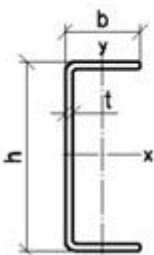


Channel



Depth	Width	Thickness	Area	Weight	X – X axis			Y – Y axis		
					A mm ²	M kg/m	I mm ⁴	W mm ³	i mm	I mm ⁴
75	25	5	549,3	1,01	387400	10330	26,55	26350	1466	6,927
78	30	3	396	0,77	346572	8886,4	29,6	20032	973	711
100	30	4	589,7	1,09	768400	15370	36,09	41620	1835	8,407
100	40	5	824,6	1,52	1146000	22930	57,29	115300	3966	11,81
150	50	4	949,7	1,76	2985000	39800	56,06	204400	5342	14,66
150	50	6	1394	2,58	4243000	56570	55,17	345100	7849	15,72
200	60	8	2372	4,34	12430000	124300	72,39	668900	14680	16,79
200	80	8	2698	5,0	15440000	154400	75,64	1541000	26100	23,90

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