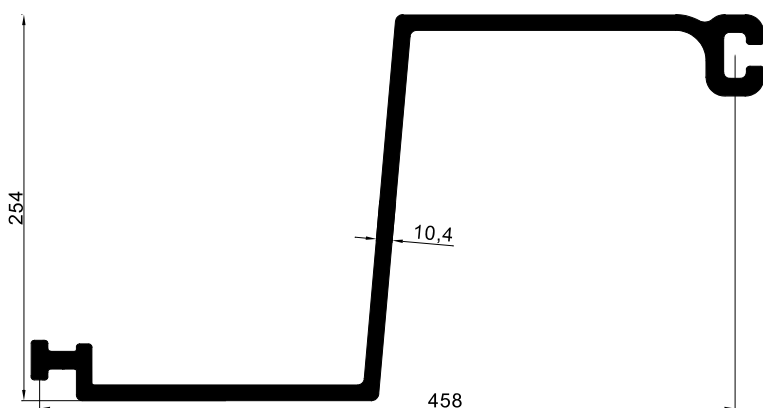
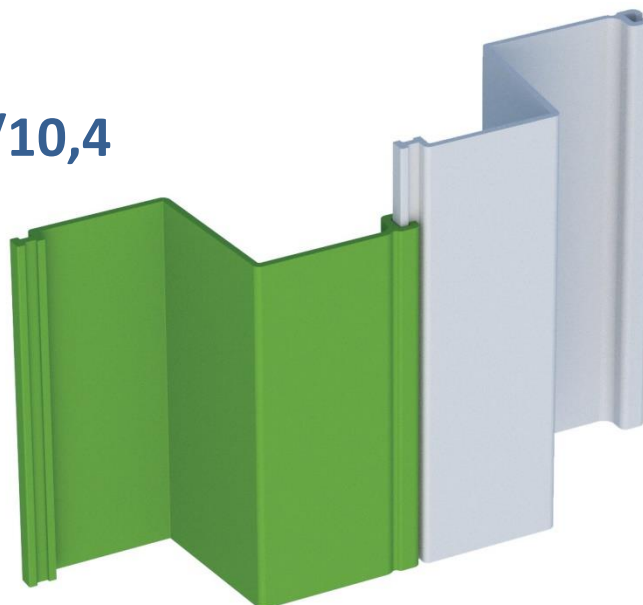




## Technical specification

### Vinyl sheet pile GW 458/10,4



	Unit	Value
Section width	mm	458
Section depth	mm	254
Thickness	mm	10,4
Section modulus	cm <sup>3</sup> /m	1541,5
Moment of inertia	cm <sup>4</sup> /m	20718
Allowable moment*	kNm/m	33,9
Ultimate moment	kNm/m	67,8

\* Safety factor = 2



	Unit	Norm	Value
Density	kg/m <sup>3</sup>	PN-EN ISO 1183-3:2003	1400-1480
Charpy impact test	kJ/m <sup>2</sup>	PN-EN ISO 179-1:2004	≥30
Shore durometer	Shore'a D	PN-EN ISO 868:2005	≥75
Softening point Vicat method	°C	PN-EN ISO 306:2004	≥77
Tensile strength	MPa	PN-EN ISO 527-2:1998	≥44
Tensile modulus of elasticity	MPa	PN-EN ISO 527-2:1998	≥2600
Bending modulus of elasticity	MPa	PN-EN ISO 178:2006	≥2600
Bending strength:	MPa	PN-EN ISO 178:2006	≥65
Resistance of climatic ageing , after energy 2,6 GJ/m <sup>2</sup> radiation: <ul style="list-style-type: none"><li>• resistance of changing dye</li><li>• change of Charpy impact</li></ul>	%	PN-EN 513:2002 PN-EN ISO 4892-2 met.A PN-EN 20105-A03:1996 PN-EN ISO 179-1:2004	not less than 4 in gray scale ≤30