



HYDRO

Hydro 5083 H116 / H321

Application: Shipbuilding

Properties:

- > Specific Weight: 2680 kg/ m³
- > Good Weldability with 5183 & 5556A
- > Corrosion resistant, tested acc. ASTM G66

Mechanical Values:
acc. Classification rules

Rp0,2	min. :	215 Mpa
	typical:	250 MPa
Rm	min.:	305 Mpa
	typical:	340 Mpa
A50	min.:	10%
	typical:	14%

Chemical Composition:
acc. AA

Si	max. 0,40	Mg	4,0 - 4,9
Fe	max. 0,40	Cr	0,05 - 0,25
Cu	max. 0,10	Zn	max. 0,25
Mn	0,40 - 1,0	Ti	max. 0,15

(values in weight-%)

Dimensions:

Thickness: 2,0 - 6,0 mm tolerance acc. Classification rules

Width: 1000 - 2000 mm **tolerance acc. EN 485**

Length: 1000 - 12000 mm tolerance acc. EN 485