



HYDRO

Hydro 5083 0 / H111 / H112

Application:
Road Tanker
Shipbuilding
Container Construction
General Engineering

Properties:
> Specific Weight: 2680 kg/ m³
> Good Weldability with 5183 & 5556A
> Good Bendability (Radius 6 mm at 6 mm thickness
for 90° bending possible)

Mechanical Values:
acc. EN 485-2

Rp0,2	min.:	125 MPa
Rm	min.:	275 MPa
	max.:	350 MPa
A5	min.:	17%
A50	min.:	16%

Chemical Composition:
acc. EN 573-3 / 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: 1,5 - 4 mm cold rolled
 3,0 - 10 mm hot rolled

Width: 1000 - 2600 mm

Length: 1000 - 12000 mm

Tolerances acc. EN 485-3/4 or smaller upon request