



HYDRO

HYDRO 5186 H111- Elongal®

Approved by German TÜV with Werkstoffblatt 521 Ed. 12/2002

Application:

Road Tankers

Min. wall thickness acc. new ADR/RID Regulations: 5.00 mm

Properties:

- > Specific weight: 2680 kg/m³
- > Modulus of Elasticity: 71000 MPa
- > Excellent weldability with TIG or MIG techniques
- > Excellent formability (min. bending radius up to 6 mm thickness: 1 x t) (t = thickness)

Mechanical Values:

acc. VdTÜV Wstbl. 521

Rp0,2	min. guaranteed:	125 MPa
Rm	min. guaranteed:	275 MPa
A5	min. guaranteed:	26%
Rm x A5	min. guaranteed:	7150

Chemical Composition:

(acc. AA)

Si	max. 0,40	Mg	3,80 - 4,80
Fe	max. 0,40	Cr	max. 0,15
Cu	max. 0,25	Zn	max. 0,40
Mn	0,20 - 0,50	Ti	max. 0,15
		Ni	max. 0,40

(values in weight%)

Dimensions:

Thickness: 4,5 - 10 mm

Tolerance: - 0 / + 0.35 or + / - 0.18 mm

Width: 1000 - 2600 mm

Thickness > 8 mm max. width 1600 mm

Length: 1000 - 12000 mm