



Technical Data

Road Tankers / Bulk Transporters (Sheets)

Aluminium:

EN AW 5083 (AlMg4.5Mn) acc. EN 573 – 3
AlMg4.5Mn acc. AD-W 6 / 1

Chemical composition:

acc. EN 573 – 3 (1994)

Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ga	V	Ti	Al
0.40	0.40	0.10	0.40 - 1.0	4.0 - 4.9	0.05 - 0.25	-	0.25	-	-	0.15	Rest

Mechanical properties:

tensile strength(Rm)	yield strength (R _{p0.2})	elongation(A ₅₀)
MPa	MPa	%
Temper H111 acc. EN 485 – 2/ W28 acc. AD W 6/1	275 – 350	>125 (A ₅ > 17%)

Thickness range:

4.0 – 8.0 mm

Thickness tolerance:

+/- 0.20 mm
smaller tolerances upon request

Width range:

1,000 – 2,600 mm

Width tolerance: sheared edges:
sawed edges:

-0 / + 3 mm up to 2,000 mm width
-0 / +5 mm for widths > 2,000 mm
-0 / + 2mm for all widths

Sheet length range:

1,000 – 12,000 mm

Length tolerance: sheared edges:
sawed edges:

½ EN 485 – 3
-0 / +2 mm

Cross difference: sheared edges:
sawed edges:

½ EN 483 – 3
4 mm

Due to technical reasons not every thickness/width combination available