



Standard - Product

1. Comparison of Standards :

EN 573	DIN 1725	BS 1470		NF A 50-451		ASTM B 209	JIS H 4000
1050A	3.0255	(new)	(old)	(new)	(old)		
Al 99,5	Al 99,5	1050A	S1B	1050A	A5	---	A1050P

2. Chemical Composition acc. to EN 573 Part 3 (Weight %)

	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ga	V	Ti	Remark
min.	---	---	---	---	---	---	---	---	---	---	---	
max.	0,25	0,40	0,05	0,05	0,05	---	---	0,07	---	---	---	

3. EN - Temper H14 (Mechanical Properties acc. to EN 485 Part 2)

Thickness over (mm)	Thickness up to (mm)	Rm min (MPa)	Rm max (MPa)	Rp0,2 min (MPa)	Rp0,2 max (MPa)	A50 (%)	for Information only			Remark	
							Bending		Hardness HB		
0,20	0,50	105	145	85	---	2	0 t	1 t	34	---	
0,50	1,50	105	145	85	---	2	0,5 t	1 t	34	---	
1,50	3,00	105	145	85	---	4	1 t	1 t	34	---	
3,00	6,00	105	145	85	---	5	1,5 t	---	34	---	

4. Physical Properties (Typical Values, for Information only) :

Density :	2,7 g/cm ³	Thermal Conductivity :	210 - 220 W/m·K
Solidification Range :	646 - 657 °C	Thermal Expansion Coefficient :	23,5 · 10 ⁻⁶ K ⁻¹
Electrical Conductivity :	34 - 36 m/Ω mm ²		

5. General Properties (for Information only)

Resistant against	Weldability	Brazability
Sea water: good	Gas: very good	with Flux: excellent
Weather: very good	TIG: very good	without Flux: excellent
	MIG: good	

For more information please contact the TCS - department at

Hydro Aluminium Rolled Products GmbH
Rolled Products Hamburg
Technical Customer Service
Aluminiumstraße, D - 21129 Hamburg, Germany

phone: +49 (0) 40 / 740 11 - 418 or 419
fax: +49 (0) 40 / 740 11 - 696