

No	Coefficients	Values	Units
1	Specific Gravity	2.71	gr / cm ³
2	Used Chock	6063 60 AlMgSi0.5	AA-USA ETIAL-Turkey DIN Germany
3	Expansion Coefficient	23*10	(200-100 C°) C°
4	Elasticity Module	6900	kg / mm ²
5	Shrinkage Resistance	15.5	(at 24 C° kg / mm ²)
6	Extension	%8	Delta L/L*100 (50mm)
7	Hardness	60-65	Brinell (HB)
8	Flowing Resistance	12	kg / mm ²
9	Cutting Resistance	11.5	kg / mm ²
10	Thickness of Painting	60-80	μ (Micron)
11	Thickness of Painting	12-14	μ (Micron)

THICKNESS TOLERANCES du

Thickness	< 20 : 1	20:1 – 40:1	> 40 : 1
0-1,5	± 0,15	± 0,20	± 0,25
1,5-3	± 0,20	± 0,25	± 0,35
3-6	± 0,25	± 0,30	± 0,45
6-10	± 0,30	± 0,35	± 0,50
10-15	± 0,40	± 0,40	± 0,55
15-20	± 0,50	± 0,50	± 0,60
20-30	± 0,60	± 0,60	± 0,65
30-40	± 0,70	± 0,70	± 0,75

TWISTING TOLERANCE

Width (mm)		Normal Stretched Profile (Boy/mm)			Sensitive Stretched Profile (Boy/mm)		
		Up to 1000	Total Profile Length		Up to 1000	Total Profile Length	
More than	As much as		Max. 6000	> 6000		Max. 6000	> 6000
-	30	1,2	2,5	3,0	0,8	1,5	2,5
30	50	1,5	3,0	4,0	1,0	2,0	3,0
50	100	2,0	3,5	5,0	1,0	2,5	4,0
100	200	2,5	5,0	7,0	1,5	3,0	5,0
200	300	2,5	6,0	8,0	2,0	4,0	6,0

Deviation of Flatness (Twisting) at Normal stretched Profiles

Length	Up to 1000	From 1000	From 2000 to	From 3000 to	From 4000 to	From 5000 to
Tolerance	2,0	4,0	6,0	7,0	8,0	9,0

* Tolerance is increased max. 1,5mm (linear) per meter for lengths more than 6m.