

SPECIFICATION SHEET

820

Quality:	820	Grand Brilliant
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Technical Data: acc. to EN485-2

Alloy: 1085

Hardness: H18

Typical Mechanical Properties:

Tensile Strength: $\geq 140\text{N/mm}^2$

Yield Strength: $\geq 120\text{N/mm}^2$

Elongation (A50): $\geq 1\%$

Treatment Front: Anodizing

Optical Properties:

Total Reflectance: $\geq 86\%$

Diffuse Reflectance: $\leq 9\%$

Iridescence: 2

Color: L*: N/A a*: N/A b*: N/A

Availability

Sheet and Coil

Gage: 0.3 – 1.2mm

Max. Width: 1350mm

Tolerances: Tolerances on shape and dimensions acc. to EN 485-4

Gage: 0.3-0.5mm $\pm 0.03\text{mm}$; 0.51-0.8mm $\pm 0.04\text{mm}$;
0.81-1.2mm $\pm 0.06\text{mm}$;

Width: $< 1250\text{mm} + 3/ - 0\text{mm}$; $\geq 1250\text{mm} + 4/ - 0\text{mm}$

Slit Width: $\pm 0.3\text{mm}$

Sheet:

Length: $< 500\text{mm} + 0.5/ - 0\text{mm}$; $500-2000\text{mm} + 1.5/ - 0\text{mm}$
 $2000-4000\text{mm} + 2.5/ - 0\text{mm}$

Squareness: $< 500\text{mm} < 1\text{mm}$; $500-2000\text{mm} < 2\text{mm}$; $2000-4000\text{mm} < 3\text{mm}$

Lateral Bow (in one meter): $< 300\text{mm} < 2.5\text{mm}$; $> 300\text{mm} < 1.5\text{mm}$

Burr: $0.3-0.6\text{mm} < 0.03\text{mm}$; $0.61-1.2\text{mm} < 0.05\text{mm}$; $> 1.2\text{mm} < 0.1\text{mm}$

Protective Film PE (Gauge: $50\pm 5\mu\text{m}$)

Products with protective film are guaranteed for five months, kept away from sunlight and any heating source. Protective Film is not UV resistant.