

Technical Data Sheet



Anolux® III

Revision Index: July 12, 2004

Mechanical Properties

Alloy:	Al	99.85	
Hardness:	Hard		DIN EN 485-2 resp. Millsnorm
Tensile Strength KSI:	23.2	- 29.0	
Yield Strength KSI:	20.3	- 26.1	
Elongation A10 or d5 (%):	>=	2	
HB (Brinell) ~ HV Vickers:			
Oxide Layer:	1.1	± 0.2	
Treatment:	Electrolytically bright anodized		
Bending/Deformation:	Smallest interior radius = 1.5 X thickness of metal		
Surface Protection:	PE – easily removable Polyethylene Film with acrylic adhesive, not UV resistant, different colors.		
Storage:	Store material indoors in a dry area, not exposed to UV or excess heat.		

Optical values

Total-Reflection	%	87	Values taken with Ulbricht-globe (DIN 5036-3)
Degree of Iridescence		G	No demand for iridescence
Diffuse Reflection 15°	%	> 14	Values taken with Ulbricht-globe (DIN 5036-3)
Brightness (along)		80	Values taken with Dr. Lange ISO 7668 – calibrate 91.8/60°
Brightness (across)		78	Values taken with Dr. Lange ISO 7668 – calibrate 91.8/60°
Total Reflectance TR-2	Min.	86	ASTM E 1651 (TR2)
Image Clarity (DI)		94	Values taken with Hunter-Dorigon ASTM E 430.

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