



# VEGA 95100

## Reflector material efficiency class A (EN 16268:2013)

vega 95100 is the mirror finish product in the vega range. Its enhanced optical characteristics make it the ideal material for a wide range of reflector applications requiring very high efficiency.

### TECHNICAL DATA

FINISHING	Specular	PVD treatment
ALLOY	1085	EN 573-3

### MECHANICAL VALUES

	Required	Standards
TEMPER	H 18	EN 515
TENSILE STRENGTH	23.2 – 29.0 Ksi	EN 485-2
PROOF STRESS 0.2%	20.3 – 26.1 Ksi	EN 485-2
MINIMUM ELONGATION A <sub>5</sub> A <sub>10</sub>	2 %	EN 485-2

### OPTICAL VALUES

	Typical	Standards
TOTAL REFLECTANCE	≥ 95 %	DIN 5036-3 (Ulbricht Globe)
DIFFUSE REFLECTANCE	< 11 %	DIN 5036-3 (Ulbricht Globe)
SPECULAR REFLECTANCE - along (60° head)	90 %	ISO 7668 (Refl. Dr. Lange EFO 3D)
SPECULAR REFLECTANCE - across (60° head)	89 %	ISO 7668 (Refl. Dr. Lange REFO 3D)
IRIDESCENCE	G	INTERNAL

NOTE : Iridescence internal classification N = normal , L = low , V = very low , G = no iridescence

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All information provided is based on up-to-date values where possible. Optical values are average results from 0.4mm metal and are published for guidance only; they may vary according to raw material thickness. For more detailed information please contact our technical sales department. Physical characteristics of the materials are in accordance with EN (European Committee for Standardization).

#### Test Standard for anodic oxidation

Microscopic measurement of oxide layer UNI EN ISO 1463/98

#### General tolerance

Gauge tolerance: ± 0.001 in  
 Width tolerance: ± 0.005 in  
 Length-cut sheets: ± 0.036 in/yd

#### Note

All materials listed above can be delivered in various sizes and shapes according to customer requirements. Products with protective tape are guaranteed for six months after delivery if they are stored in a conditioned room (temperature 20-30°C and relative humidity 50-60%) and kept away from sunlight and any heating source. Protective tape is not UV resistant

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