VSP198

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

VSP198 is the top quality standard mirror finish product in the vega ultra reflective range. Its silver layer technology combined with reflection enhancing optical protection layers makes it the ideal material for reflector applications requiring the gravest in efficiency.

TECHNICAL DATA

FINISHING	Specular	PVD treatment
ALLOY	1085	EN 573-3

MECHANICAL VALUES

	Required	**Standards**
TEMPER	H 18	EN 515
TENSILE STRENGTH	160 – 200 N/mm^2	EN 485-2
PROOF STRESS 0.2%	140 – 180 N/mm^2	EN 485-2
MINIMUM ELONGATION A_5A_{10}	2 %	EN 485-2

OPTICAL VALUES

	Typical	**Standards**
TOTAL REFLECTANCE	≥ 98 %	DIN 5036-3 (Ulbricht Globe)
DIFFUSE REFLECTANCE	< 11 %	DIN 5036-3 (Ulbricht Globe)
SPECULAR REFLECTANCE - along (60° head)	93 %	ISO 7668 (Refl. Dr. Lange EFO 3D)
SPECULAR REFLECTANCE - across (60° head)	93 %	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: ± 0.03 mm
Width tolerance: ± 0.15 mm
Length-cut sheets: ± 1 mm/m

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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