



S090 - SPECULAR STANDARD

TECHNICAL DATA

FINISHING	Brightened and anodized	
ALLOY	1085 - Al 99.85 %	EN 573-3

MECHANICAL VALUES

	Required	Standards
TEMPER	H 18	EN 515
MINIMUM TENSILE STRENGTH Rm	125 N/mm ²	EN 485-2
MINIMUM YIELD STRENGTH Rp 0.2	105 N/mm ²	EN 485-2
MINIMUM ELONGATION A ₅ A ₁₀	2 %	EN 485-2

OPTICAL VALUES

	Typical	Range	Standards
TOTAL REFLECTANCE	86 %	85 – 87 %	ASTM E 1651 (Technidyne TR2) DIN 5036-3 (Ulbricht Globe)
DIFFUSE REFLECTANCE	15 %	< 15 %	DIN 5036-3 (Ulbricht globe)
SPECULAR REFLECTANCE - along (60° head)	80 %	79-81 %	ISO 7668 (Refl. BYK micro tri-gloss)
SPECULAR REFLECTANCE - across (60° head)	77 %	76-79 %	ISO 7668 (Refl. BYK micro tri-gloss)
IRIDESCENCE	N	N	INTERNAL

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

PROTECTIVE TAPE	PE 50 µm glue basis - caoutchouc
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Above information is based on up-to-date results. Values are measured on 0.4 mm metal in natural colour.

Physical characteristics of the materials are in accordance with EN (European Committee for Standardization).

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