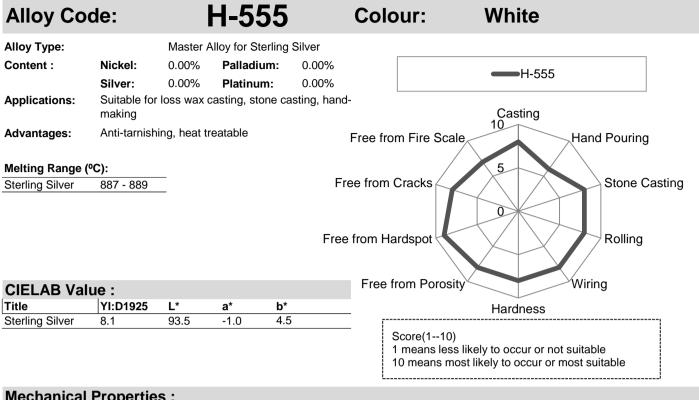
TECHNICAL SPECIFICATIONS





Meenanical	r roperties .				
Title	Annealed Hardness	As Casted Hardness	Max. Strength	Yield Strength	Elongation
	(HV)	(HV)	(MPa)	(MPa)	(%)
Sterling Silver	61	65	219	91	28

Recommen	ded Casting Parameters :		(Quenching Time	: 15 - 25	Minutes)
	Metal		Vacuum-assisted Ca	sting	
	Casting		Investment Temperatu	ıre (⁰C)	
Title	Temperature		Thickness of work piec	e (mm)	
	(°C)	Thin (<0.5)	Medium (0.5~1.1)	Thick (>1.1)	
Sterling Silver	1000-1020	660-700	560-640	440-560	

	Annealing Tempera	ature (°C)	Annealing I	me for thickness (min)	< 1 mm	1 - 5 mm	> 5 mm
Sterling Silver	600 - 650				30	35	40
Process	Cast	ting Temperat	ure (ºC)	Recommended Reduct	ions		
Ingot	940	- 1000		Sheet Thickness %	70		
Continuous Cast	ing 980 ·	- 1060		Wire Diameter %	45		
Аче пагаел	ing Parameter	S:					
•	ing Parameter		Time (min)	Quenching	Hardness	after Age Ha	rdening (HV)
Age Hardening	Temperature (°C)		Time (min) 60	Quenching Air or in furnace	Hardness 110	after Age Ha	rdening (HV)
Process Age Hardening	Temperature (°C) 300		· · · /			after Age Ha	rdening (HV)
Process Age Hardening Technical Advic	Temperature (°C) 300 e:)	60	Air or in furnace		after Age Ha	rdening (HV)
Process Age Hardening Technical Advic 1. To avoid oxidatio	Temperature (°C) 300 e: on, the alloys must be o	covered with iner	60 t gas or yellow fla	Air or in furnace		after Age Ha	rdening (HV)
Process Age Hardening Technical Advic 1. To avoid oxidatio 2. Not more than 50	Temperature (°C) 300 e: on, the alloys must be o 0 % of old material sho	covered with iner uld be used for r	60 t gas or yellow fla recasting.	Air or in furnace		after Age Ha	rdening (HV)
Process Age Hardening Technical Advic 1. To avoid oxidatio 2. Not more than 5 3. The old material	Temperature (°C) 300 e: on, the alloys must be o 0 % of old material sho must be tumbled to ren	covered with iner uld be used for r move the investr	60 t gas or yellow fla recasting. nent powder resid	Air or in furnace me during casting. lue and oxides.	110	after Age Ha	rdening (HV)
Process Age Hardening Technical Advic 1. To avoid oxidatio 2. Not more than 5 3. The old material The material is the	Temperature (°C) 300 e: on, the alloys must be o 0 % of old material sho must be tumbled to ren hen pickled in dilute su	covered with iner uld be used for r move the investr lfuric acid (15 %	60 t gas or yellow fla ecasting. nent powder resid) for 15 - 20 minut	Air or in furnace	110	after Age Ha	rdening (HV)

Remarks: The information is for your reference only. The parameters should be adjusted according to the particular casting conditions. If you have any technical questions, please do not hesitate to contact us.

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