



PRODUCT SPECIFICATION CERALABEL SL-600, SL-600LF, 800, 1000

Fired ceramic/stainless steel labels show excellent shock resistance. Barcode patterns are printed on a ceramic thin layer that is then fused on the stainless steel substrate.

SL-600LF is a derivative product of SL-600 and LF means "Lead Free" for RoHS/REACH.

<Features>

Application: Identification and management of products which are subject to mechanical shock and harsh environments involved in e.g., heat-treatment processes, chemical-treatment processes, and outdoor long term storage.

Material: Heat resistant stainless steel, SUS316L

Size: Any size, any shape

Thickness: 0.2, 0.6, 1.0mm (Heat resistant stainless steel)

Adhesive: Pressure sensitive adhesive resistant to up to 250°C available

Impact test: The labels withstand 200gr steel ball dropped 0.5m height without surface failure.

Derivative product : **SL-GZ** (additional transparent glass layer to enforce chemical resistance)

SL-316 (SUS316L substrate model to enforce corrosion resistance)

Some other derivative SL products are available for use environment.

Maximum heat resistance and Chemical resistance:

Properties		SL-600	SL-600LF	SL-800	SL-1000	
Maximum Heat Resistance (Rough estimation)	500 hr.	550°C	600°C	700°C	1000°C	
	100 hr.	600°C	650°C	800°C	1100°C	
	10 hr.	650°C	700°C	900°C	1200°C	
Chemical Resistance	Acid	HCl 5%, 20°C	10 days	7 days	20 hours	3 days
		H ₂ SO ₄ 98%, 70°C	5 hours	5 days	7 days	2 days
		HNO ₃ 60%, 20°C	20 days	200 days	7 days	100 days
	Alkali	NaOH 20%, 20°C	50 days	50 days	50 days	50 days
	Solvent		No effect	No effect	No effect	No effect

The above information is based on current information and does not guarantee the characteristics of the product. Please conduct sufficient tests under actual conditions and environments to confirm that there are no problems before deciding to use the product.



Laser engravable

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