

Kester® 952-S & SF800-LR Soldering Flux

Zero Halogen, Low-Solid Liquid Fluxes for Tabbing & Stringing Applications

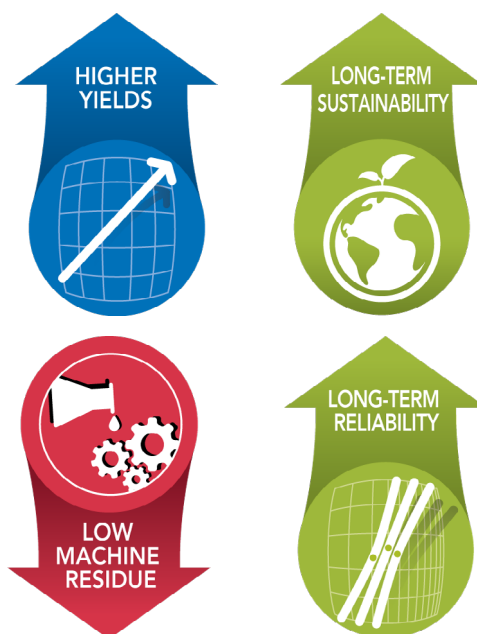
PV Fluxes that delivers best-in-class reliability and high throughput

Kester 952-S Soldering Flux and Kester SF800-LR Soldering Flux are zero-halogen, non-rosin organic fluxes designed specifically for use in tabber and stringer equipment of photovoltaic assembly (PV) module assembly for soldering tabs to cell contacts. The extremely low solids content ($\leq 2\%$) and nature of the activator system result in cosmetically dry and clean cells as they exit the tabber and stringer machine. This not only maximizes the throughput and yield, but also lowers equipment maintenance time, thereby reducing a manufacturer's total cost of ownership. Both fluxes have a wider operating window varying with temperature range and can be used in SnPb, SnAgPb and Pb-free alloys.



Key Features

- Produce solid interconnects: good conductivity, high peel strength and reliability
- Excellent wetting for high yield and throughput
- Minimal and tack free residues for low equipment maintenance and downtime
- Compatible with different encapsulants
- Wide process window across different cells, equipment and process parameters
- Applicable for dipping or spraying method



*Zero-halogen is defined as no halogen intentionally added to the formulation.

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AUTOMATED SOLDERING SYSTEMS

TECHNICAL DATA	Kester 952-S	Kester SF800-LR
Solid Content	2.0%	1.5%
Acid Number (mg KOH/gm)	15.0	13.4
Specific Gravity	0.803	0.799
Flux Type, IPC J-STD-004(A)	ORL0	ORL0
Halide & Halogen Content	None	None
SIR, IPC J-STD-004 (A)	Passed	Passed

APPLICATION PROCESS

PROCESS CONTROL	Kester 952-S	Kester SF800-LR
Flux Application	Spray, Dip*	Spray*, Dip
Preheating Temperature	100-160 ° C	
Soldering Method	Contact Soldering, IR, Convection	
Soldering Temperature (SnPb)	200-280 ° C	

*Preferred Method



macdermidalpha.com
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Kester is a product brand of MacDermid Alpha Electronics Solutions.

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