

ALPHA[®] EF-6000

Rosin-Free, No-Clean Flux for Lead-Free & Tin-Lead Wave Soldering

Best-in-Class Performance Low Residue Alcohol Based Liquid Flux

ALPHA EF-6000 is an active, rosin-free, low solid, low residue liquid flux, specifically developed to deliver outstanding board cosmetics and to eliminate the tendency for solder balling and solder bridging, which are normally associated with rosin-free chemistries.

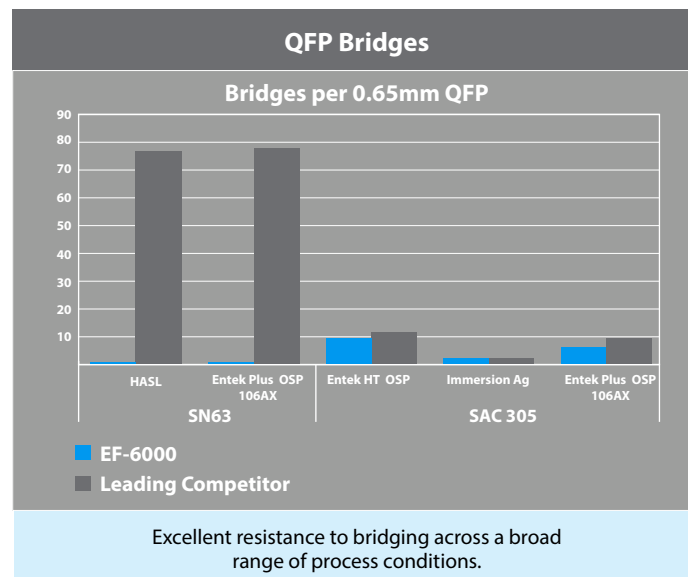
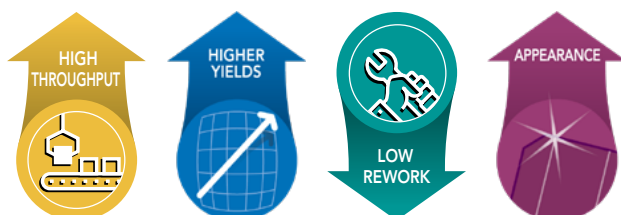
Of all low solids (< 4% solids), no-clean fluxes, **ALPHA EF-6000** exhibits the lowest tendency for solder ball generation over a wide variety of solder masks during wave soldering and selective soldering operations.

ALPHA EF-6000 should be considered for use by any assembler requiring minimal residues and pin testability, or whose specification requires an extremely low frequency of solder balls.



Key Features

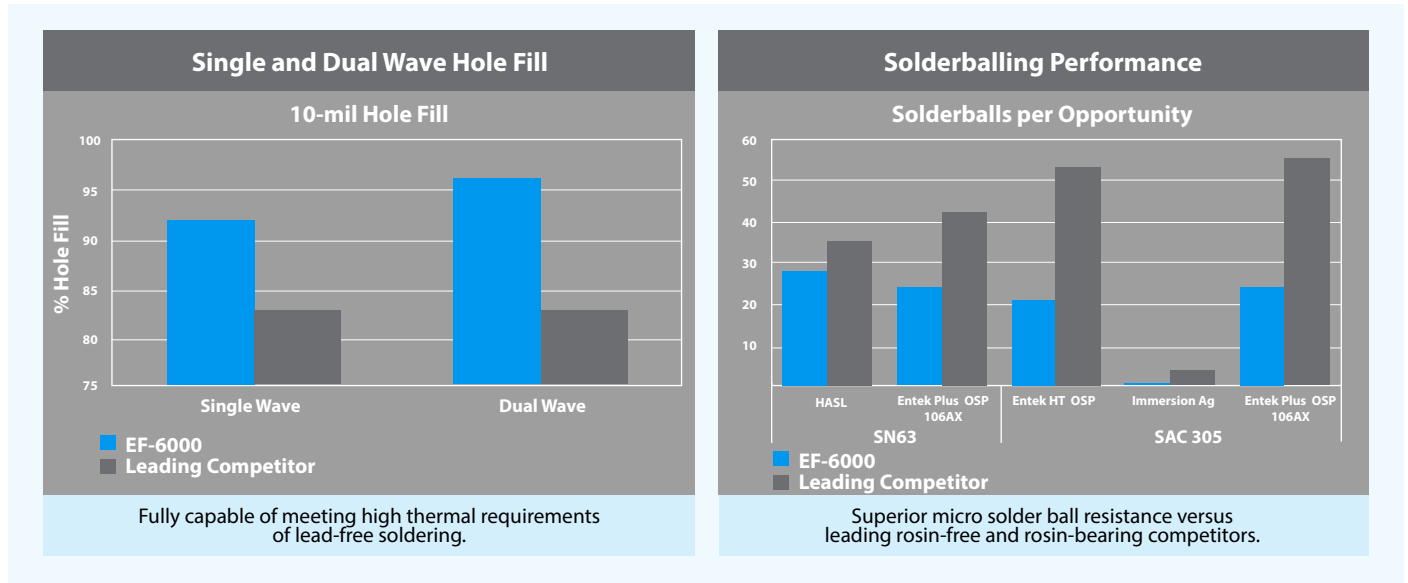
- Rosin-free, no-clean, alcohol-based.
- Fully lead-free capable ORL0.
- Broad process compatibility.
- IPC SIR 004A and Bellcore ECM compliant for long term electrical reliability.
- Extremely low equipment maintenance versus rosin-bearing fluxes.
- No false failures during in-line pin testing.



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PERFORMANCE SUMMARY

BENEFIT	ALPHA EF-6000	PERFORMANCE CAPABILITY
PROCESS WINDOW	Dual-Alloy Performance	Wide Thermal Process Window enables high yields and Lead-Free and Tin-Lead Process.
	Broad Process Compatibility	One flux for all common board types and pad finishes.
HIGH PROCESS YIELD	Resistance to Micro-Solderball Formation	Increased reliability and reduction of electrical shorts. Provides industry leading performance.
	Resistance to Bridging	Best-in-class versus leading competitive products. Minimizes touch-up/rework of bottom side components.
	Hole-fill	Excellent Lead-Free and Tin-Lead yields versus leading competitive product.
	Residue Cosmetics	Clear, colorless residue. No rosin build-up on selective pallets.
	Equipment Maintenance	Very low cleaning/maintenance frequency versus rosin-bearing formulations.
	Pin Testability	100% First pass yield - Lead-Free & Tin-Lead.

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to know more

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