

alpha-fry™

Technical Data Sheet

SM1141-2

Alpha-Fry™ EGF-571

Wave Soldering No-clean Flux

DESCRIPTION

Alpha-Fry™ EGF-571 is a rosin-containing full dulling flux that provides the best of solderability for conventional and circuit board assemblies in both Lead-Free and Tin-Lead processes. Besides, it is designed to reduce bridging on bottom side SMT components as well as superior performance in hole-fill and solderballing. Additionally, it provides evenly spread flux and low-tack residues.

PERFORMANCE FEATURES

- Matte surface finishing solder joint
- Non-corrosive residues
- Capable for Tin-Lead and Lead-Free processes
- Can be applied via spraying or foaming
- Excellent solderability with low solderballing and minimal bridging
- Evenly spread and low tack flux residue

TECHNICAL SPECIFICATION

Item	Specification	Item	Specification
Appearance	Clear, Pale Yellow Liquid	Copper Mirror Test	Pass
Solids Content, wt/wt	7.0	Copper Corrosion Test	Pass
Specific Gravity @ 25°C (77°F)	0.802 ± 0.005	SIR IPC J-STD 004B	Pass
Acid Number (mg KOH/g)	16.8 ± 1.0	IPC Classification	ROM1
pH, as is	3.68	Recommended Thinner	EGT 5052
Flash Point (T.C.C.)	12°C		

APPLICATION

Alpha-Fry™ EGF-571 is specially formulated for spraying or foaming. For spray application: <1500 µg/in² of solids/in² dual wave, <1200 µg/in² of solids/in² single wave.

Recommended onboard preheat temperature is 85-110°C for Lead-Free and 75-95°C for Tin-Lead.

Alpha-Fry™ EGF-571 is a no-clean flux and the residues are designed to be left on the board. If cleaning is required, residues can be readily removed using solvents, saponifiers or semi-aqueous cleaners available in the market.

AVAILABLE PACKAGING

1, 5 and 55 gal.

HEALTH & SAFETY

Alpha-Fry™ EGF-571 should be used according to industrial standards of practice. For safety advice please refer to the material safety data sheet.

STORAGE

Alpha-Fry™ EGF-571 is flammable. Keep away from all sources of heat, sparks, flame and sunlight.

SHELF LIFE

Under adequate conditions Alpha-Fry™ EGF-571 can be stored in original unopened containers for a minimum of 6 months.

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