



Qualitek Group Of Companies



Qualitek DPF 820ZH ZERO-HALOGEN PASTE FLUX

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Description

DPF 820ZH is a no-clean zero halogen paste flux designed for a broad range of applications. It can be used for BGA/CSP ball attach including rework and touch-up. This flux is highly compatible with Cu-OSP, electrolytic Ni-Ag, ENIG and immersion silver pads.

It is also designed to accommodate a wide range of reflow temperatures and is suitable for all lead-free and high lead processes.

Features

- Smooth & creamy light gel
- Superior wetting with maximum activity
- Minimal spattering & thermally stable
- Excellent tackiness & stable viscosity
- Halogen free formulation
- Broad process window
- Suitable for reflow in nitrogen or air environment

Flux Application

DPF 820ZH can be applied by printing, syringe dispensing, pin-transfer or dipping.

Physical & Chemical Properties

	Specification	Test Method
Flux Type Classification	ROL0	IPC-J-STD-004
Appearance	Light creamy gel	Visual
Malcom Viscosity (typical)	30 – 40 poise	IPC-TM-650 2.4.34.3
Copper Corrosion	Pass	IPC-J-STD-004
Tack Result	> 180 gf	JIS Z 3284
Surface Insulation Resistance	> 2.0 x 10 ¹⁰ ohms	IPC-TM-650 2.6.3.3

Residue Removal & Cleaning

DPF 820ZH is designed for no-clean application where residues may be left on. However, if residue removal is desired, the use of Everklean 1005 Saponifier with a 5-10% concentration in hot water (60 °C/140°F) will aid in residue removal.

Packaging

DPF 820ZH paste flux is available in 150 gm Semco cartridges, 10 cc and 30 cc syringes or 100 gm jars.

Storage & Handling

DPF 820ZH may be stored at ambient temperature or refrigerated. Shelf life of paste flux is 1 year when stored at 0 to 25 °C. If refrigerated, allow paste flux to reach ambient temperature prior to use.

Material Safety Data Sheet

MSDS for this product may be found online at www.qualitek.com.