



ELECTRONIC SOLDERS

TECHNICAL DATA SHEET

BOW 785 MILDLY ACTIVATED ROSIN FLUX

DESCRIPTION

Bow 785 mildly activated rosin flux is formulated to meet the requirements of high speed soldering operations; with activities close to that of a fully activated rosin flux. This flux meets the requirements of type RMA per MIL-F-14256. It also is classified as "ROM1" in J-Std-006. The unique activator and solvent system keeps the activator from separation after a prolonged period of foaming and waving. The flux performance will remain stable throughout the soldering process. Flux life can be extended by simply adding the appropriate thinner to replace any solvent loss due to evaporation.

BENEFITS

- Very bright solder joints
- High SIR value
- Minimal defects
- Non-corrosive

APPLICATIONS

Bow 785 mildly activated rosin flux can be applied by waving, brushing, dipping and foaming. This mildly activated rosin flux exhibits superior foaming characteristics with a uniform stable foam head. It is excellent for tinning stranded wire, component leads and attaching lead frames to hybrid circuit assemblies. Should the flux become viscous due to prolonged aeration or waving, simply add 1000 Thinner to maintain the proper gravity and fluxing activity.

RESIDUE PROPERTIES

The residue from this flux has high resistance value even at temperatures as high as 160°F. It is non-hygroscopic, non-corrosive and highly insulated; thus, it need not be removed

PHYSICAL PROPERTIES

Color & Appearance	Amber Liquid
Solids Content (wt.%)	35.0
Color & Transparency	#13 Gardner
Flow & Consistency	Pass
Water Extract Resistivity	135,000 ohm-cm
Silver Chromate Paper Test	Pass
Copper Mirror Test	Pass
Spread Factor	87
Dryness	Pass
Specific Gravity @ 68°F	0.870+.006
Flash Point	53°F

PACKAGING AND STORAGE INFORMATION

BOW 785 fluxes are packaged in pints, quarts, one-gallon plastic jugs, five-gallon plastic pails and 55-gallon plastic drums. They should be stored in a cool dry place. Since this flux is flammable, keep away from open flames and spark sources. Please consult Safety Data Sheets prior to use.

1 Crossman Road South, Sayreville, N. J. 08872
Tel: 732-316-2100 ■ Fax: 732-316-2177 ■ Toll Free 800-526-4577

www.solders.com

