

Durasol 353 Liquid Flux

Organic Water Soluble Flux



Product Description

Durasol 353 is an organic water soluble flux which is developed for use in various electronic soldering applications where inorganic fluxes are too corrosive and rosin fluxes are too inactive. This flux has the following features:

- Well-suited for soldering of semi-conductors
- Excellent fluxing action
- Flux residues are totally water-soluble
- Shiny and bright soldered connections are produced
- Less reject

Durasol 353 is widely used in soldering printed circuit board plated with nickel alloy and component leads made from kovar. It is highly suitable for use with brass, bronze, silver and copper materials.

Application

Durasol 353 is specially designed for foaming, dipping and brushing purposes.

Residue Removal

The small amount of residue left behind should be removed as soon as possible after soldering to prevent the formation of some metallic complexes, which are difficult to remove in plain water.

Recommended Solvent

Asahi's complementary Durasol Thinner ST-100. Solvent can be stored for about 2 years under normal storage conditions of 25°C.

Specification

Item	Result
State	Liquid
Colour	Pale yellow
Specific Gravity @ 21°C	0.878 +/- 0.005
JIS Z 3197 8.2.2	
Non-volatile Solid Content (110°C, 1hr)	20.7 +/- 1.0 wt%
IPC-TM-650 2.3.34	
JIS Z 3197 8.1.3	
Halide Content	1.7 +/- 0.2 wt%
JIS Z 3197 8.1.4.2.1	
Acid Value Test	44.0 +/- 2 mg KOH/g flux
IPC-TM-650 2.3.13	
JIS Z 3197 8.1.4.1	
Spread Factor	> 90% (SnPb)
JIS Z 3197 8.3.1.1	
pH	1
Flash Point	20°C

Health and Safety

Durasol 353 is an acidic solution and should be handled with adequate precautions. Observe standard precautions for handling and use, such as well-ventilated areas, use protective gloves and safety goggles and avoid breathing vapour. For more information, please refer to the Material Safety Data Sheet.

Storage

Under proper storage condition, Durasol 353 can be stored for up to 6 months. Durasol 353 is flammable. Keep away from all sources of heat, sparks, flame and sunlight.

Packing

Available in 17kg/carboy.

DISCLAIMER OF LIABILITY

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