

Technical Data Sheet

ECS PLASTIC

Article Number 770

Product Description

PLASTIC is based on an acrylic resin particularly suitable for the electronic industry. It forms a transparent, flexible and protective film that is resistant to acids, salt, fungus, corrosive vapors, thermal stress, mechanical abuse, alkalis, alcohols, moisture, and tough environmental conditions. It retains its effectiveness within a wide range of temperatures from -70°C to $+120^{\circ}\text{C}$. The lacquer adheres to various materials such as metal, plastics, wood, cardboard, glass etc. PLASTIC does not drip and permits soldering through its own layer, ideal for work on PC-boards. PLASTIC contains an UV indicator for quality control. PLASTIC meets MIL-I-46058C. „Type Acrylic Resin“. PLASTIC protects printed circuit boards, components, wire cables, etc. Elimination or prevention of creepage current, corona effects, short-circuits or discharges

Application

Protection of printed circuit boards, components, wires, cables etc. Elimination or prevention of creepage current, corona effects, short circuits and discharges. PLASTIC seals out water, dirt and moisture and is an ideal corrosion protection of parts subjected to bad atmospheric conditions. It is waterproofing of various materials such as cardboard, wood, leather etc.

Directions

The surface to be treated have to be free of dust, oil, greases, wax, paint- and flux residues. We recommend ECS CONTACT CLEANER for pre-cleaning. Spray on the whole surface of parts to be treated, maintaining a distance of approximately 20-30 cm, otherwise the layer applied will flow. Should the spray nozzle get clogged, clean it using a thinner? Do not use close to flames, sparks or hot surfaces. Make sure that the electrical devices are switched-off and plug is taken out. Allow the solvents to evaporate completely before re-activating the equipment. Take care of good ventilation at your work-place. Cleaning instructions of appliance producer to be taken into account.

Storage / Shelf Life

Shelf life is 5 years if stored correctly.



Technical Data

Appearance:	Transparent
Odor:	Solvent
Density at 20°C 400ml aerosol:	$0,88\text{g}/\text{cm}^3$
Density at 20°C bulk:	$0,911\text{g}/\text{cm}^3$
Drying time at 23°C :	
Dry to touch:	10 min
Totally cured:	25 min
Drying time at $60-70^{\circ}\text{C}$:	5 min
Adhesion at 23°C :	GT O after 25 min
Adhesion at 60°C :	GT O after 5 min
Viscosity (DIN 53211) (s):	7s
	10-20 mPas
Surface resistance (Ω):	$1,54 \times 10^{16}$
Volume resistivity (Ωcm):	3.75×10^{16}
Dielectric strength (kV/mm):	177
Creep resistance (CTI):	> 600
Temperature resistance:	
(class E according to VDE 0360)	-70°C to $+120^{\circ}\text{C}$
Range 400ml can:	$\pm 1.5 \text{ m2}$
Range 1 litre bulk	$\pm 10 \text{ m2}$
Coating thickness:	20-50 μm
Resistance:	good against acids and alkalis
Light resistance:	very good
UV indicator:	yes

