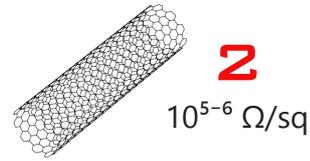


LCD/DLP Resin   

## ABS-Like ESD



ABS-Like ESD UV resin from POC Lab. is an ESD-Safe composite resin loaded with carbon nanotubes formulated for a wide range of applications that require protection against electrostatic discharge

This ABS-Like type resin is therefore given improved resistance and antistatic properties, thus protecting your electronic components in the event of an incident by conduction and dissipation of the electrostatic charge in the resin.

It can be used for engineering to produce robust and durable high-precision parts.

- High precision and low shrinkage
- High impact resistance
- Excellent stiffness and mechanical properties



This resin is fully compatible with the new Monochrome LCD printers and DLP printers. On older LCD RGB machines the exposure times will be very long.

### Recommended Print parameters:

The resin can be kept in the tank for several weeks (if UV protected), because it has excellent stability. For bottle return, use a filter  $\geq 1500 \mu\text{m}$ . You can download on our web site the stl model which you can print in PLA or with ABS-Like resin.

e.g. *LCD Monochrome*

- Print Thickness : 0.025-0.05 mm
- Bottom Layer Count: 4
- Bottom Exposure Time : 75 s
- Normal Exposure Time : 2 to 4 s
- Light-off Delay: /

### Recommended Post-cure:

Isopropyl alcohol  
>45 min. in UV light

TECHNICAL DATA SHEET		
	Cure >45 min.	Standards
After a first use, we recommend 6 months of use		
Color	Black	
Wavelength (nm)	395-405	
Density (g/cm <sup>3</sup> )	1.15	
Flexure strength (MPa)	91	ISO 178
Flexure modulus (MPa)	2810	ISO 178
Tensile strength (MPa)	63	ASTDM D638
Tensile modulus (MPa)	2705	ASTDM D638
Surface resistivity (Ω/sq) 4.69E+05	10 <sup>5</sup>	ASTDM D257
Volume resistivity (Ω·cm) 1.70E+06	10 <sup>6</sup>	ASTDM D4496



**SAFETY – WARNING**

H302.Harmful if swallowed – H315.Causes skin irritation – H317.May cause an allergic skin reaction – H319.Causes serious eye irritation – H411.Toxic to aquatic life with long lasting effects – P261.Avoid breathing dust/fume/gas/mist/vapours/spray – P264. Wash arms, hands and face thoroughly after handling – P272.Contaminated work clothing should not be allowed out of the workplace – P273.Avoid release to the environment – P280.Wear protective gloves/protective clothing/eye protection/face protection – P305&P351&P338 IF IN EYE: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing – P302&352 IF ON SKIN: Wash with soap and water – P310.Immediately call a POISON CENTER or doctor/physician  
P501.Dispose of contents and container in accordance with all local, regional, national and International regulations