

# FI-1214 (Peelable Maskant)

## Technical Data Sheet

### Product Description:

FI-1214 is a high viscosity light cure maskant designed for masking components in printed circuit boards, and other electronic devices. FI-1214 is 100% solid, low odor gel, cures in UV/Visible light within seconds. FI-1214 can be easily removed from the circuit board which eliminates the concerns of any contaminants generally noticed by other masking technologies. FI-1214's ability to cure in seconds enables fast processing, greater output and much lower processing cost.

### Properties before Curing

Property:	Data:	STD Test method:
Appearance	Translucent gel	
Chemical Class	Urethane Acrylate	
Viscosity (cP) at 25°C	95000 to 103000	ASTM D1084
Density, g/ml	1.02 - 1.06	ASTM D1875

### Key properties after Curing

Property:	Data:	Test Method:
Durometer Hardness	A72	ASTM D2240
Tensile Strength, psi	510	ASTM D638
Elongation, %	155	ASTM D638
Modulus, psi	600	ASTM D638
Linear Shrinkage, %	1.55	ASTM D2566

This product is VOC free (100% solid). It cures upon exposure to UV light using light devices such as spot lamps, focused beam lamps, flood lamps, or conveyor systems.

***Recommended UV/LED curing equipment:***

Functional Inks partners with Uvitron International, USA (<https://www.uvitron.com>) for the selection of curing equipment. *Uvitron has full range curing equipment and accessories that are needed for light-curing adhesives, coatings applications. Please contact Uvitron International at [info@uvitron.com](mailto:info@uvitron.com) for the selection of the right equipment*