

## 3M Novec™ 1700 Electronic Grade Coating

Category : Polymer

**Material Notes:**

3M™ Novec™ 1700 Electronic Grade Coating is designed for the protection of printed circuit boards and electronic components. It is a clear, low viscosity solution of a 2 wt% fluorochemical acrylic polymer carried in a hydrofluoroether solvent. Features and Benefits: Easy application and processing - dries in seconds without the need for thermal post-curing Requires little or no masking Allows solder-through repairability and is easily removed for rework & repair Contains no volatile organic compounds (VOCs) and has low global warming potential Is thermally and electrically stable with excellent dielectric properties Provides excellent repellency, anti-wetting and anti-sticking properties against liquids, water, hydrocarbons, silicones, and photoresists Information provided by 3M

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_3M-Novec-1700-Electronic-Grade-Coating.php](http://www.lookpolymers.com/polymer_3M-Novec-1700-Electronic-Grade-Coating.php)

Physical Properties	Metric	English	Comments
Density	1.50 g/cc	0.0542 lb/in <sup>3</sup>	
Solids Content	2.0 %	2.0 %	fluoropolymer

Thermal Properties	Metric	English	Comments
Boiling Point	61.0 °C	142 °F	of Solvent
Glass Transition Temp, Tg	44.5 °C	112 °F	
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.1	3.1	30% RH
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dielectric Strength	39.4 kV/mm	1000 kV/in	35% RH
Dissipation Factor	0.0089	0.0089	30% RH
	@Frequency 1000 Hz	@Frequency 1000 Hz	

Processing Properties	Metric	English	Comments
Shelf Life	48.0 Month	48.0 Month	from date of manufacture in unopened container

## Contact Songhan Plastic Technology Co.,Ltd.

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