

3M Novec™ 1710 Electronic Grade Coating

Category : Polymer

Material Notes:

3M™ Novec™ 1710 Electronic Grade Coating is a higher solids version of Novec™ 1700. It is a clear, low viscosity, low surface tension solution of a 10 wt% fluorochemical acrylic polymer carried in a hydrofluoroether solvent. Features and Benefits: Can be used as a concentrate for maintaining coating solids concentration in application baths or incorporated with resins or other liquids for a unique solution. Easy application and processing – dries in seconds without the need for thermal post-curing. Contains no volatile organic compounds (VOCs) and has low global warming potential. 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-1710-Electronic-Grade-Coating.php

Physical Properties	Metric	English	Comments
Density	1.50 g/cc	0.0542 lb/in ³	
Solids Content	10 %	10 %	fluoropolymer

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

Optical Properties	Metric	English	Comments
Refractive Index	1.39	1.39	

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.1 @Frequency 1000 Hz	3.1 @Frequency 1000 Hz	30% RH
Dielectric Strength	3.94 kV/mm	100 kV/in	35% RH
Dissipation Factor	0.0089 @Frequency 1000 Hz	0.0089 @Frequency 1000 Hz	30% RH

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

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