

Fair-Rite Products Corp. Conformal Coatings

<u>Property</u>	<u>Parylene</u> type C standard	<u>Parylene</u> type N limited availability	<u>Thermo-Set Plastic</u> paint limited availability	<u>Thermo-Set Plastic</u> paint standard
Thickness - mm typical	0.01	0.02	0.13	0.15
Thickness - mm MAX.	0.02	0.05	0.25	0.4
Max working Temp. - °C.	90	90	105	130
Dielectric Strength - kV/mm	220		10	10
Color	transparent	transparent	off white	green
Part Availability	toroids & small beads OD < 9.5 mm, Length < 13 mm	toroids & small beads OD < 9.5 mm, Length < 13 mm	toroids , cable cores & bobbins OD > 9.5 mm	toroids , cable cores & bobbins OD > 9.5 mm
Advantages	stress free thin layer uniform coverage	stress free, thin layer, uniform coverage no CL, Halogen free	low stress high working temperature	low stress high working temperature
Disadvantages	limited to small parts	limited to small parts	larger parts only poor coverage in small places	larger parts only poor coverage in small places
Generic Type	Parylene Type C	Parylene Type N	Polyurethane Enamel	Epoxy - Polyamide
Flammability rating	UL94 - V0	UL94 - V0	UL94 - V0	UL94 - V0
UL card #			E140098 (5)	E309437, E343922