

Parker Chomerics CHO-FLEX 4430 Conductive Ink

Category : Polymer , Thermoset , Polyester, TS

Material Notes:

CHO-FLEX polyester inks were developed for the membrane keyboard and sensor industries. The ink bond to Mylar films, and can be creased, heat-formed or scratched without affecting their performance. Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-CHO-FLEX-4430-Conductive-Ink.php

Physical Properties	Metric	English	Comments
Density	3.80 g/cc	0.137 lb/in ³	
Volatiles	20 - 30 %	20 - 30 %	
Carbon Black Loading	<= 1.0 %	<= 1.0 %	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	85.0 °C	185 °F	
Minimum Service Temperature, Air	-54.0 °C	-65.2 °F	
Flash Point	>= 46.7 °C	>= 116 °F	

Component Elements Properties	Metric	English	Comments
Silver, Ag	50 - 60 %	50 - 60 %	

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	<= 0.080 ohm	<= 0.080 ohm	

Processing Properties	Metric	English	Comments
Cure Time	30.0 min	0.500 hour	
	@Temperature 121 °C	@Temperature 250 °F	
Shelf Life	9.00 Month	9.00 Month	

Descriptive Properties	Value	Comments
Binder	Polyester	
Consistency	Thixotropic Paste	
Copolyester Resins (wt.)	<15%	

Filler Descriptive Properties	Ap Value	Comments
gamma-Butyrolactone (wt.)	<10%	
Physical Form	Gray-silver liquid with solvent odor.	
Propylene glycol methyl (wt.)	20 - 30%	
Theoretical Coverage	3000 in ² / lb	Actual coverage will be 50-100%

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