

## Parker Chomerics CHO-SHIELD® 576 Platable Silver Epoxy Coating

Category : Polymer , Adhesive , Thermoset , Epoxy

### Material Notes:

Description: CHO-SHIELD® 576 coating is a two component, silver filled, highly conductive epoxy paint designed to provide EMI shielding when applied to a dielectric plastic substrate. This coating was specifically developed as a variant of CHO-SHIELD® 596. CHO-SHIELD® 576 dries to the touch in less than 1 hour at room temperature and attains full chemical resistance after 1 week at room temperature. However, the best electrical properties are achieved by curing at elevated temperatures. Performance: CHO-SHIELD® 576 is first sprayed onto plastic substrate, and further plating operations may follow. The full stack up of plating and coating will meet strict adhesion requirements, equivalent to ASTM D3359 with a rating of 5A after exposure to 95% RH at 65°C for 24 hours and thermal cycling from one hour at -57°C to one hour at 95°C for a total of four cycles. Information provided by Chomerics

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Parker-Chomerics-CHO-SHIELD-576-Platable-Silver-Epoxy-Coating.php](http://www.lookpolymers.com/polymer_Parker-Chomerics-CHO-SHIELD-576-Platable-Silver-Epoxy-Coating.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.80 g/cc	1.80 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	40 - 60	40 - 60	ASTM D676

Electrical Properties	Metric	English	Comments
Volume Resistivity	0.060 ohm-cm @Temperature 24.0 °C, Time 3600 sec	0.060 ohm-cm @Temperature 75.2 °F, Time 1.00 hour	[ohm/sq], followed by 1 hour at 121°C

Processing Properties	Metric	English	Comments
Cure Time	60.0 min @Temperature 23.8 °C	1.00 hour @Temperature 74.8 °F	and 1 hour at 121°C
	60.0 min @Temperature 23.8 °C	1.00 hour @Temperature 74.8 °F	and 6 hours at 65.5°C
	120 min @Temperature 24.0 °C	2.00 hour @Temperature 75.2 °F	and 45 minutes at 65.5°C, followed by 45 minutes at 98.8 °C (recommended)
Pot Life	10100 min @Temperature 23.8 °C	168 hour @Temperature 74.8 °F	
	480 min	480 min	
Shelf Life	9.00 Month	9.00 Month	

Descriptive Properties	Value	Comments
Suggested Spraying Viscosity #2 Zahn Cup	15 sec	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China