

## Cotronics Duralco™ 120 500°F Silver Filled Epoxy, Electrically Conductive

Category : Polymer , Thermoset , Epoxy , Epoxy, Electrically Conductive

**Material Notes:**

Contains over 70% ultra fine silver to provide excellent electrical conductivity. Cures at room temperature.>Applications: ideal for use where maximum conductivity is required.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Cotronics-Duralco-120-500F-Silver-Filled-Epoxy-Electrically-Conductive.php](http://www.lookpolymers.com/polymer_Cotronics-Duralco-120-500F-Silver-Filled-Epoxy-Electrically-Conductive.php)

Physical Properties	Metric	English	Comments
Density	3.80 g/cc	0.137 lb/in <sup>3</sup>	
Moisture Absorption at Equilibrium	0.20 %	0.20 %	
Viscosity	15000 cP	15000 cP	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	70	70	
Tensile Strength, Ultimate	44.8 MPa	6500 psi	
Elongation at Break	0.20 %	0.20 %	

Thermal Properties	Metric	English	Comments
CTE, linear	54.0 µm/m-°C	30.0 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Thermal Conductivity	7.20 W/m-K	50.0 BTU-in/hr-ft <sup>2</sup> -°F	
Maximum Service Temperature, Air	260 °C	500 °F	
Shrinkage	0.20 %	0.20 %	

Electrical Properties	Metric	English	Comments
Volume Resistivity	0.000080 ohm-cm	0.000080 ohm-cm	

Processing Properties	Metric	English	Comments
Cure Time	20.0 min	0.333 hour	
	@Temperature 121 °C	@Temperature 250 °F	

**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