Heraeus

Electronics

3270R

Conductor

Description

3270R is a silver conductor paste designed for screenprint application of a fired conductive electrode. 3270R forms a highly adherent bond to many compositions including alumina. The paste has good rheological properties and long screen life. The film has good initial and aged adhesion and is readily solderable.

Key Features

- Excellent solderability Good initial and aged adhesion Long working lifetime on the screen

Typical Properties	
Viscosity	90 – 110 kcps, Brookfield RVT, SC4–7 spindle & 6R utility cup @ 20 rpm, 25°C
Solids	> 70%
Resistivity	< 1.8 milliohms per square at 25 microns fired film thickness
Solderability	62Sn/36Pb/2Ag at 230°C 80 x 80 mil pad 100% for 3 second dip

Recommended Processing Guide	
Printing Parameters	100-250 mesh stainless steel screens 0.4-1.0 mil emulsion Allow to level at room temperature at least 10 minutes
Drying Temperature	120-150°C for 10 minutes

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Recommended Processing Guide (continued)	
Process Temperature (TDS)	Glass: 550-625°C peak temperature Alumina: 575-650°C peak temperature Anodized Aluminum: 550-600°C peak temperature Dwell time (All): 8-12 minutes Total cycle time (All): 40-60 minutes
Recommended Thinner	Heraeus RV-252

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Warranty

Material guaranteed to meet specifications for 6 months from date of manufacturing with proper storage.

Storage

Store in a dry location at 5 – 25°C. DO NOT REFRIGERATE. Allow paste to come to room temperature prior to opening. Spatulate well before using, as settling may occur during storage.

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