

# Heraeus

## Technical Information

Internal Electrode Selector Guide  
Revision Date: 08\_10

Buried Electrode					% Filler												
	BE	7030	50	-	XXY												
AgPd Ratio																	
	<table border="1"> <tr><td style="text-align: center;">% Metal</td></tr> <tr><td style="text-align: center;">50 = 50% Metal</td></tr> <tr><td style="text-align: center;">52 = 52% Metal</td></tr> <tr><td style="text-align: center;">54 = 54% Metal</td></tr> <tr><td style="text-align: center;">56 = 56% Metal</td></tr> <tr><td style="text-align: center;">58 = 58% Metal</td></tr> <tr><td style="text-align: center;">60 = 60% Metal</td></tr> </table>			% Metal	50 = 50% Metal	52 = 52% Metal	54 = 54% Metal	56 = 56% Metal	58 = 58% Metal	60 = 60% Metal	<table border="1"> <tr><td style="text-align: center;">Filler Type</td></tr> <tr><td style="text-align: center;">BT = Barium Titanate</td></tr> <tr><td style="text-align: center;">ZR = Zirconia</td></tr> <tr><td style="text-align: center;">ZN = Zinc Oxide</td></tr> <tr><td style="text-align: center;">NF = No Filler</td></tr> </table>		Filler Type	BT = Barium Titanate	ZR = Zirconia	ZN = Zinc Oxide	NF = No Filler
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### AgPd 70/30

Product Code	Metal Content %	Solids Content %	Additive Type	Viscosity kcps	Firing Temp °C	Drying Temp °C	Application
BE703050-NF	50	50	none	30-35	1050-1140	70-80	For low fire ML dielectrics
BE703050-BT5	50	55	BT	30-35	1115-1130	70-80	BT based dielectrics/AMC
BE703056-BT5	56	61	BT	30-35	1115-1130	70-80	BT based dielectrics/AMC
BE703050-ZR1	50	51	ZrO <sub>2</sub>	30-35	1050-1140	70-80	For low fire ML dielectrics
BE703054-ZR1	54	55	ZrO <sub>2</sub>	30-35	1050-1140	70-80	For low fire ML dielectrics

### AgPd 75/25

BE752550-BT2	50	52	BT	30-35	1020-1100	70-80	For low fire and BT based MLC dielectrics
BE752550-ZR1	50	51	ZrO <sub>2</sub>	30-35	1020-1100	70-80	

### AgPd 80/20

BE802050-NF	50	50	none	30-35	1000-1060	70-80	For low fire and MLC dielectrics
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BE802050-ZR1	50	51	ZrO <sub>2</sub>	30-35	1000-1060	70-80	
<b>AgPd 85/15</b>							
BE851552-NF	52	52	ZrO <sub>2</sub>	30-35	970-1020	70-80	Ultra low fire for various ML applications
BE851552-ZR1	52	53	ZrO <sub>2</sub>	30-35	970-1020	70-80	
<b>AgPd90/10</b>							
BE901052-ZR1	52	53	ZrO <sub>2</sub>	30-35	950-1000	70-80	Ultra low fire
<b>AgPd 95/5</b>							
BE950552-ZR1	52	53	ZrO <sub>2</sub>	30-35	920-960	70-80	Ultra low fire
<b>Ag 100%</b>							
BE100060-NF	60	60	none	20-35			Ultra Low fire for various ML applications
BE100056-ZR2	56	2	ZrO <sub>2</sub>	30-35			

The descriptions and engineering data shown here have been compiled by Heraeus using commonly-accepted procedures, in conjunction with modern testing equipment, and have been compiled as according to the latest factual knowledge in our possession. The information was up-to-date on the date this document was printed (latest versions can always be supplied upon request). Although the data is considered accurate, we cannot guarantee accuracy, the results obtained from its use, or any patent infringement resulting from its use (unless this is contractually and explicitly agreed in writing, in advance). The data is supplied on the condition that the user shall conduct tests to determine materials suitability for a particular application.

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