

# Dowton Electronic Materials Co.,Ltd.

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## Low Range Ohmic Resistor Paste (BME Paste)

### Introduction

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1. This specific paste is use for the development of chip resistor's resistance process.
2. Show excellent BME sintering process characteristics (protective atmosphere furnace),
3. with excellent screen printing resolution, use for laser processing.
4. Good to use with resistance paste, suitable for screen printing, co-firing process, with excellent compact stability.
5. In line with REACH and ROHS specifications, lead and cadmium free.

### Product Benefits

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- 1.Low range ohm resistor
- 2.Demonstrate excellent low TCR characteristics and Sulphur-resistant.
- 3.With high density, sintering circuit layout, resulting strength and tightness within.

### Composition Properties & Usage Requirements

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Product	S.C.%	Vis., pa.s, 10rpm	Type (°C @N <sub>2</sub> )	sheet resistance mΩ/sq	TCR ppm/°C
PA-11XX(R&D in progress)	75	65	900	1~15R	<100
PR-1135	80	40	900	130	<50
OMHR-901A	65	80	900	<3000	<200
OMHC-902	80	70	900	<8	<2000
MLC-900(C1)	85	90	900	<8	---
MLC-900B(C3)	77	30	900	<8	---
GP-11213C(Glass)	70	60	900	----	<0

### Additional Information

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1. The above are the typical properties, due to individual requirements, the represented data above is not intended to be used as specification limits.
2. Viscosity measurements were made using Brookfield DV-III +, SC4-14 / 6R, 25 ° C.
3. Screen printing conditions, 200 ~ 250mesh.
4. Drying conditions, 120°C for 10 minutes. Sintering conditions, 900 ~ 920 °C
6. Please stir, and make sure a proper mixture before use.
- 7 . Shelf Life: Maximum 6 months with proper storage.
- 8 . Storage conditions: RH<85% , temperature 5~25°C.