

## Master Bond MB600G Aqueous Based Electrically Conductive Sodium Silicate Coating

Category : Ceramic , Other Engineering Material , Ceramic/Metallic Coating

### Material Notes:

Master Bond MB600G is an aqueous based, sodium silicate system with graphite filler. It is intended for use in applications where moderate shielding effectiveness is required and cost is a more significant consideration. Electromagnetic interference (EMI) and radio frequency interference (RFI) are very important factors in electronic applications. The energy emitted from various sources such as radios, appliances, etc. can interfere with other electronic devices that are made from plastics. Conductive coatings are often applied to the housings in order to protect the devices from these types of interferences. Key Features Very consistent shielding effectiveness throughout the GHz region Temperature resistance up to +700°F Easy application Silver coated nickel filler Highly cost effective Information provided by MasterBond®

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Master-Bond-MB600G-Aqueous-Based-Electrically-Conductive-Sodium-Silicate-Coating.php](http://www.lookpolymers.com/polymer_Master-Bond-MB600G-Aqueous-Based-Electrically-Conductive-Sodium-Silicate-Coating.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.53 g/cc	1.53 g/cc	
Solids Content	90 %	90 %	by weight

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	371 °C	700 °F	
Minimum Service Temperature, Air	-17.8 °C	0.000 °F	

Electrical Properties	Metric	English	Comments
Surface Resistance	1 - 10 ohm	1 - 10 ohm	
Shielding Effectiveness	30 - 50 dB	30 - 50 dB	
	@Frequency 1.00e+9 - 2.00e+9 Hz	@Frequency 1.00e+9 - 2.00e+9 Hz	
	35 - 45 dB	35 - 45 dB	
	@Frequency 2.00e+9 - 1.50e+10 Hz	@Frequency 2.00e+9 - 1.50e+10 Hz	
	40 - 45 dB	40 - 45 dB	
	@Frequency 1.50e+10 - 1.80e+10 Hz	@Frequency 1.50e+10 - 1.80e+10 Hz	

Processing Properties	Metric	English	Comments
Cure Time	60.0 - 120 min	1.00 - 2.00 hour	

Processing Properties	@Temperature >=79.4 Metric	@Temperature >=175 English	Comments
	1440 - 2880 min	24.0 - 48.0 hour	
	@Temperature 23.9 °C	@Temperature 75.0 °F	
Shelf Life	6.00 Month	6.00 Month	in original unopened containers
	@Temperature 23.9 °C	@Temperature 75.0 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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