



**MANTECH<sup>®</sup>**  
**ELECTRONICS**

*International Components Distributor*

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## GRAPHIT 33

### ELECTRICALLY CONDUCTIVE COATING

GRAPHIT 33 is a dispersion of fine, pure, colloidal graphite in a specially formulated solvent mixture with an organic binder, which gives an electrically conductive coating to non-conductive media.



| FEATURES   | APPLICATIONS   |
|--|--|
| <ul style="list-style-type: none"> <li>Provides a dry, adhering, electrically conductive coating to:               <ul style="list-style-type: none"> <li>- Plastics</li> <li>- Wood</li> <li>- Glass</li> <li>- Ceramics</li> </ul> </li> <li>Dry lubricant.</li> <li>The coating can be made even more electro-conductive, stable and colourfast, by simply polishing the spray film with cotton wool, a soft cloth or a buffing disc, or baking at 300 °C.</li> </ul> | <ul style="list-style-type: none"> <li>Used primarily to avoid electrostatic charge build-up in packaging materials and housings of electronic equipment.</li> <li>Repair of damaged shielding in cathode ray tubes.</li> <li>Coating of cables.</li> <li>Prevents electrostatic charge build-up on tube conveyor systems.</li> <li>Conductive pre-coat for galvano-plating of plastics and other non-conductive materials.</li> </ul> |

|  |                                  |
|--|----------------------------------|
| <b>Colour :</b>                              | <b>grey-black</b>                |
| <b>Film thickness :</b>                      | <b>15 µm</b>                     |
| <b>Particle size :</b>                       | <b>1-10 µm</b>                   |
| <b>Drying time :</b>                         | <b>approx. 10 min. at 20 °C</b>  |
| <b>Surface resistivity :<br/>(DIN 53482)</b> | <b>1k - 2k W<br/>(untreated)</b> |

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