

**RTP 2099 X 123265A EG BLK  
Polycarbonate / Polybutylene  
Terephthalate Alloy  
Black Conductive PC/PBT Film**

| <b>Physical Properties</b>   | <b>Value</b>   | <b>Units</b>      | <b>Test Method</b> |
|------------------------------|--|-------------------|--------------------|
| Specific Gravity             | 1.28   | g/cm <sup>3</sup> | ASTM D 792         |
| <b>Mechanical Properties</b> |  |                   |                    |
| Tensile Strength             | 6,700 psi (lbf/in <sup>2</sup> )<br>7,200 psi (lbf/in <sup>2</sup> )     |                   | ASTM D 882         |
| Elongation @ Break           | 3 %<br>4 %   |                   | ASTM D 882         |
| Elastic Modulus              | 240,000 psi (lbf/in <sup>2</sup> )<br>250,000 psi (lbf/in <sup>2</sup> ) |                   | ASTM D 882         |
| <b>Electrical Properties</b> |  |                   |                    |
| Surface Resistivity          | 2 x 10 <sup>3</sup>  | Ω/sq.             | ANSI/ESD STM11.11  |
| Bulk Resistivity             | 4 x 10 <sup>4</sup>  | Ω·cm              | ANSI/ESD STM11.12  |

**Property Notes**

· The above mechanical and electrical properties are based on a film thickness of 0.005"

· Revised: 3/17/15 (RJE)

This information is intended to be used only as a guideline for designers and processors of modified thermoplastics. Because design and processing is complex, a set solution will not solve all problems. Observation on a "trial and error" basis may be required to achieve desired results.

Data are obtained from specimens extruded under carefully controlled conditions from representative samples of the compound described herein. Properties may be materially affected by the size and shape of the item as well as environmental conditions. No assurance can be implied that all articles will have the same properties as those listed.

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