

## TPK SERIES ELECTRICALLY RESISTIVE CARBON BLACK FOR DISPLAY MATERIALS

### Product Highlights

TPK series of specialty carbon black is unique electrically resistive carbon black that provides a deep black color to various display components and delivers light shielding and electrical resistivity performance for electronic display applications. This specialty carbon black has ultra-low structure of aggregate particles to inhibit the conductive path between carbon black aggregates and proprietary surface treatment grade enhance its effect.



### Product Features

- ◆ Highest electrical resistivity of Cabot carbon blacks
- ◆ Enables exceptional dispersion stability
- ◆ Suitable for photoresist ink, solvent base ink, and coating formulations

### Application Information

TPK series of specialty carbon black can be used in inks or coatings for black matrix, black column spacers, display bezels, light-guiding materials, electrically resistive films, light control films, optoelectronic applications, and applications where it desirable to achieve black color while limiting conductivity.

### Product Form and Logistics

- ◆ Product form : Powder
- ◆ Packaging options : 15 kg paper bag

### Cabot Specialty Carbon Black Products for Display Applications

#### Other Products for Display Applications

Product	Designed Role in Portfolio
TPK1099R	Good light shielding for use in lower resistivity application with minimal impact to viscosity

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TPK1437R	Good light shielding for use in lower resistivity application to meet more stringent resistivity requirement
TPK1104R	Good light shielding performance for use in lower resistivity applications with improved dispersibility to meet more stringent requirement on photoresist line shape development
TPK1227R	Percolates at higher pigment concentrations providing excellent light shielding while meeting the most stringent resistivity requirements

For more product information about Cabot’s specialty carbons for Display applications, please contact your local Cabot sales team.

For information on product-specific storage conditions, please refer to the applicable Safety Data Sheet (SDS) available from your Cabot representative or at [cabotcorp.com](http://cabotcorp.com).

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