



ELECTRICALLY DISSIPATIVE AND CONDUCTIVE COMPOUNDS

The **E-TEC®** brand has been created to provide speciality compounds formulated for applications where varying degrees of permanent electrical conductivity are required to mitigate the hazard of electrostatic discharge. The **E-TEC®** standard grades have been formulated using conductive carbon black in a range of polymers such that in each case the electrical and mechanical properties are permanent and are not dependent on atmospheric conditions.

Colloids highly experience R&D team are on hand, ready to discuss and develop **E-TEC®** to meet customers' specific needs.

Surface Resistivity (Ohms)	Material
$10^{-1} - 10^{-5}$	EMI SHIELDING
$<10^6$	CONDUCTIVE COMPOUNDS
$10^6 - 10^9$	STATIC DISSIPATIVE COMPOUNDS
$10^{10} - 10^{12}$	ANTISTATIC COMPOUNDS
$>10^{12}$	INSULATIVE POLYMERS

	Colloids Grade	Polymer	Conductive or Dissipative	Applications	Processing	Surface Resistivity
1	E-TEC CPE9D2225	LDPE Copolymer	Conductive	Handling & packaging of explosive powders, pigments & electronic components	Blown Film	$<10^5$
2	E-TEC CEV9D2226	EVA	Conductive	Flexible extruded profiles or tubes Flexible injection moulded parts	Injection Moulding, Extrusion	$<10^5$
3	E-TEC CPE9D2227	LDPE Copolymer	Conductive	Extruded foams and films	Extrusion, Blow Moulding	$<10^6$
4	E-TEC CPE9D2247	LDPE	Dissipative	Handling & packaging of explosive powders, pigments & electronic components	Blown Film	$<10^7$
5	E-TEC CPP9D2222	PP Homopolymer	Conductive	Extruded sheets and corrugated sheets for handling and packaging electronics	Extrusion	$<10^5$
6	E-TEC CPP9D2223	PP Copolymer	Conductive	Totes, boxes, crates, pallets & containers	Injection Moulding	$<10^5$
7	E-TEC CPP9D2224	PP Copolymer	Conductive	High impact product for totes, boxes, crates, pallets & containers	Injection Moulding	$<10^5$
8	E-TEC CPP9D2234	PP Homopolymer	Conductive	Totes, boxes, crates, pallets & containers	Injection Moulding	$<10^6$
9	E-TEC CPP9D2235	PP Homopolymer	Conductive	High impact product for totes, boxes, crates, pallets & containers	Injection Moulding	$<10^5$
10	E-TEC PS15750	PS	Dissipative	Thermoformed packaging and electronics handling	Injection Moulding, Extrusion	$<10^8$

For further technical information or samples of any of our products please contact the Colloids sales office.