chemolec

Electrical Conductive Compound

Applications

Chemolec conductive compounds are manufactured to exacting specifications to ensure reliable performance. This resin offer numerous advantages over competitive conductive materials such as metals. The primary application for plastics is the dissipation of static charge to protect against electrical damage, and the application range spans the ESD conductivity. The end uses include: Electrical and electronics (E&E), Industrial and Automotive

Physical Properties

Item	Typical Value	Unit	Test Method
Melt Flow Index (190°C/2.16kg)	7	g/10min	ISO 1133
Melt Flow Index (190°C/5kg)	---	g/10min	ISO 1133
Melting Point (DSC)	>125	°C	ISO 11357-3
Crystallization Temperature (DSC)	112.06	°C	ISO 11357-3
Heat Of Fusion (DSC)	182.74	j/gr	ISO 11357-3
Oxidative Induction Time (OIT)	>40	min	ISO 11357-6
Volume Conductivity	0.01	S/cm	Impedance
Dielectric Constant (@ 50 Hz)	120		Impedance
Tensile Strength at Break	30.72	MPa	ASTM D790
Elongation at Break	600.39	%	ASTM D790
Flexure Modulus	2280	MPa	ISO 178
Notch Izod Impact (@ 23 °C)	18	KJ/m^2	ISO 180
Ash	12.2	%	ISO 3451

Chemolec

❖ General

Chemolec

- Lightweight
- Recyclable
- Easy-to-handle and process (
- Corrosion-resistant

❖ Packaging

Chemolec is supplied in regular pellet form packed in 25kg bags. It should be stored in a dry place