

Through many years of research and development, Chromaflo Technologies has formulated electrically conductive dispersions based on conductive carbon black pigments and also a new product, HC-20932, which includes a nano fiber synergist and has been awarded a US patent (7,527,750 B2). Conductive synergist technology helps mitigate the problems typically associated with conductive compounding. These products are formulated for use in thermoset polymers such as unsaturated polyester, vinyl ester and epoxy.

Nano fiber synergist technology is intended to create a more robust conductive network at lower usage levels resulting in higher conductivity while minimizing impact on polymer paste viscosity.



Chromaflo Technologies' dispersions for conductive systems are available in a variety of packaging, including:

5-gallon steel pails, providing five gallons of material ranging from 40 to 70 pounds.

55-gallon steel drums, providing 55 gallons of material ranging from 450 to 700 pounds.

Special packaging is also available. Call our office for more information.

5-gallon steel pails with optional pour spout lids are ideal for lower viscosity dispersions.

Plastibulk returnable semi-bulk tanks containing 250 to 440 gallons of material.

STORAGE containers should be tightly sealed when not in use. This will prevent the absorption of atmospheric moisture and minimize the chance of airborne contamination. Containers should be stored in a manner as to protect them from temperature extremes (32-120°F). Material should be mixed prior to use if stored over 30 days. Material shelf life from date of manufacture is 12 months.



SYNERMIX™ Electrically Conductive HC Series Technical Data

Product Code	Carrier Resin	Description	Chemistry	Pigment %	Wt/Gal (lbs)
HC-20433	monomer free unsaturated polyester	Conductive Black "CM"	Carbon Black	5.8	9.11
HC-20434	epoxy	Conductive Black "ED"	Carbon Black	5.8	9.85
HC-21109	monomer free unsaturated polyester	Conductive black	Carbon Black	25.1	10.43
HC-20932*	monomer free unsaturated polyester	High Performance Conductive	Carbon Black / nano Synergist	6.0	9.16