FINE-TONE® T-382ES
Product Code: 20000-00
Bisphenol-A Fumarate Powdered Resin

DESCRIPTION
FINE-TONE® T-382ES is a relatively low molecular weight bisphenol-A fumarate polyester resin, with a long history of use in toner/developer formulations and other reprographic applications. The product is especially well suited for color-toner applications or devices equipped with radiant fusers.

APPLICATION
- Good melt flow and high radiant-fusion index
- Good milling properties
- High gloss is possible
- Excellent pigment dispersion
- Good fusion properties
- Good milling properties
- Good fusion properties

FEATURES
- Low and non-objectionable fusion odors
- Readily soluble in variety of solvents
- Good tribological properties
- Not plasticized by vinyl films or covers
- High projection efficiency in transparencies

PROPERTIES
- Glass Transition, °C 56
- ICI Cone & Plate Viscosity at 200°C, Poise 31
- Melt Index, 2160g, 105°C, Grams per 10 Minutes 10
- Shimadzu Flowtester, T½, °C 105
- Ring & Ball Softening Temperature, °C 104
- Acid Number 21
- Hydroxyl Number 39
- GPC Values
  - Mw 13900
  - Mn 4760
  - Polydispersity 3

STORAGE
FINE-TONE® T-382ES is chemically quite stable, but should be stored at cool, dry conditions, away from heat. Temperature should never exceed 100°F to minimize chances of fusion or agglomeration of the particles. Like most solids powders, the material can compact slightly upon excessive handling or vibration.

PACKAGING FORM
FINE-TONE® T-382ES is normally sold in 250-lb. net fiber drums. Median particle size is 230 microns, but alternate particle size versions as well as flake forms can possibly be made available upon special request.

Read the FINE-TONE® T-382ES Material Safety Data Sheet before handling, storing, or using this product.