

KET-3500EX

KET-3500EX is designed to modify the molecular weight (I.V.) properties of thermoplastic polyesters (PET, PET-G, PBT etc.) This product is used by reactive additive composition that acts as chain extender & melt strength enhancer in extrusion of polyesters (PET, PET-G, PBT etc.) It is used in all applications where polyesters are extruded by maintaining or enhancing the polyesters properties. Specialty is in increasing impact strength of polyesters sheet & tensile strength of polyesters fiber.

Performance Features

- I.V. modifier : Polyesters MW build-up can be adjusted according to the specific needs
- Allow for using 100% recycle polyesters to process by adding KET-3500EX
- Protect polyesters against thermo-oxidation & hydrolytic degradation
- Melt strength & melt elasticity of polyesters can be increased by adding KET-3500EX
- Impact strength can be increased for polyesters sheet application by adding KET-3500EX
- Tensile strength can be increased for polyesters fiber application by adding KET-3500EX

Typical Properties

- Appearance @ 25°C: transparency pellet
- Carrier resin: Polyesters
- Active content: 35% reactive additive

Application

| Addition levels | Fabrication process |
|-----------------|--|
| 1%~2% | Impact strength modified for polyester sheet application |
| 1%~2% | Tensile strength modified for polyester fiber application |
| 1%~3% | Melt strength modified for recycle polyester extrusion pelletized application |
| 0.25%~0.5% | Stabilization of MW (I.V.) for polyester extrusion application |