



V-Clear 003TG

Product Name

V-Clear 003TG

Description

V-Clear 003TG is a improved quality of Chloro-DBS clarifying agent with high performance and without viscosity during processing.

Product advantages:

- Can reduces haze and enhances the clarity of polypropylene.
- Can increase heat resistance, so that PP products can be used in microwave oven.
- Can improve the surface smoothness of the finished products.
- Can enhanced stiffness of the molded part and shorter cycle time during the molding process.
- It is ideal for food contact and medical applications.

Features/Benefits

V-Clear 003TG is used for producing high clarity polypropylene. The product acts as a clarifying agent, by creating a large number of small size spherulites ($<1\mu\text{m}$) during the cooling of the polypropylene melt. These small spherulites lead to a polypropylene that has greatly improved clarity and reduces haze compared to polypropylene which is not clarified.

Physical Properties

Appearance	: White powder
Moisture content	: $\leq\%$: 0.01
Melting Point	: $240\pm 3^\circ\text{C}$ Bulk
Density	: 0.2—0.6g/cm ³

Industrial Use

V-Clear 003TG is high effective clarifying agent for polypropylene homopolymer, random copolymer. V-Clear 003TG could be blended directly with PP material in application or make transparent masterbatch before use. It can gives high transparency, increase heat resistance and improves mechanical properties. The notified chemical will be applied in thin wall injection moulding, film sheet extrusion, blow moulding and rotational moulding.

Leading injection molding markets, the many products can be produced, including housewares, storage cases, living hinge cases, thin-wall containers and disposable syringes and clarified polypropylene blow molded bottles for pharmaceuticals, spices, juices, sauces, vitamins, and baby bottles. The dosage for Homo PP, Random copolymer PP is recommended between 0.2%--0.3%.

Packing and Storage

Every 10 kg are packed in one craft paper bag with PE liner, and single PE bag inside.

To be stored under condition of shade, cool and dry with temperature of $\leq 35^\circ\text{C}$.