

Technical Data Sheet

Product Commercial Name: Maxlear RY 698N

Description: Clarifying Agent for PP

Chemical Name: 1,3:2,4-Bis-o-(3,4-dimethylbenzylidene)-D-Glucitol

Chemical Formula: C₂₄H₃₀O₆

Molecular Weight: 414

CAS No.: 135861-56-2

Product Description

Maxlear RY 698N is the high-flowable grade of third generation of clarifying agent for PP as DMDBS type chemical which is especially designed to address the mixing issue of fluffy form of DMDBS with other additives for additive one pack pre-blend. Maxlear RY 698N is free of aldehyde odor, suitable for food contact or odor sensitive applications. It also offers superior aesthetics properties and easy processing characteristics.

Benefit of PP, Clarified with Maxlear RY 698N

- ***Clearest PP Possible***

PP clarified with Maxlear RY 698N makes the highest clarity, gloss and surface smoothness available.

- ***Increased Productivity***

PP clarified with Maxlear RY 698N gives higher throughput and productivity.

- ***Cost Efficiency***

The cost efficiency of PP, combined with its low density, makes it an attractive alternative to other resins.

- ***Versatility***

PP clarified with Maxlear RY 698N offers an excellent combination of properties toughness, flexibility, rigidity, moisture barrier, chemical resistance, heat resistance.

- ***Improved Properties***

PP clarified with Maxlear RY 698N offers improved physical properties vs unclarified PP particularly higher stiffness and heat distortion temperature.

- ***Broad Process ability***

Maxlear RY 698N does not plate-out on cooling surfaces and it doesn't produce objectionable odors during processing.

- ***Ideal for Food Contact Applications***

Maxlear RY 698N in PP does not affect the taste of contained foods or liquids. And it can be used to the materials for food contact.

Typical Properties

Appearance: White powder.

Moisture (%): ≤ 1.0

Melting point (°C): 255~265 (Capillary Test Method)

Scope of Application

It is mainly used for the production of high transparent polypropylene to make high transparent plastic products such as cups, bowls, pots, lunch boxes. It can also be used as various packaging and transparent polypropylene sheets, medical equipment such as disposable infusion set, disposable syringe etc.

Maxlear RY 698N can be used either directly by dry mixing with PP, or make it into master batch.

Application Description

Suggested dosage level of 0.16-0.25%, Dry blend for at least 5 minutes (speed at 1000 RPM) to make sure even distribution.

Package and Storage

Net 20KGS / PE bag unit, net 500KGS / Carton / Pallet.

The product should be protected against moisture and damp during transportation and stored in dry and ventilated place away from the fire source.

Storage Life

24 months from production date.