



Reliance Value Innovation

SHANGHAI SUNWISE CHEMICAL Co., Ltd.

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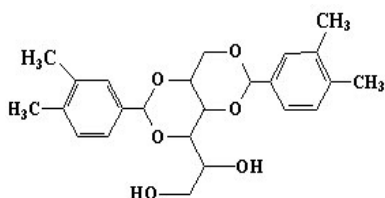
TECHNICAL DATA SHEET

Product Name **Nucleating Agent SW-ZC-3988**
Equivalent Brand **Millad 3988**

Identification

Synonyms 1,3:2,4-Bis(3,4-dimethylbenzylideno) sorbitol
Molecular Formula $C_{24}H_{30}O_6$
Molecular Weight 414.49
CAS Number 135861-56-2
EINECS/ELINCS N/A

Structure



Properties

Appearance White powder
Melting point 250 °C min
Density 1.195
Stability stable under ordinary conditions

Specification

Item	Specification
Appearance	White powder
Moisture	0.5% max
Melting point	250 °C min
Particle size	325mesh min

Introduction

Nucleating transparent agent SW-ZC-3988 promotes the resin to crystallize by providing crystal nucleus and makes the structure of the crystal grain fine, thus improving the products' rigidity, heat distortion temperature, dimension stability, transparency and luster. In addition, nucleating transparent agent SW-ZC-3988 can shorten the molding cycle of products, expand the processing conditions and strengthen the smoothness. Nucleating transparent agent SW-ZC-3988, the third generation of sorbitol nucleating transparent agent, has the same chemical structure and application performance with Millad 3988. Compared with the first generation DBS and the second generation MDBS, it has superior biological applicability, as it is non-toxic and tasteless and will not produce undesirable smell when processing. Nucleating transparent agent SW-ZC-3988 is especially applicable to resin of top-grade polypropylene

products, such as medical supplies and food packaging. And it is more suitable for food packaging materials than the second generation.

Application

Nucleating transparent agent SW-ZC-3988 is especially applicable to transparent plastic products like medical supplies, stationery, beverage packaging, transparent cups, bowls, basins, plates, CD boxes and so on, also fit for the high-temperature sterilization products and widely used in PP sheet and transparent PP tubes. It can directly be used after mixing with PP dryly and also be used after being made into 2.5~5% seed grains. Generally, the transparency of 0.2~0.4% nucleating transparent agent is rather significant. The proposed amount of addition is 0.2~0.4% and the processing temperature is 190 ~ 260 °C.

Packing and Storage

Packing: In 5 kg or 10 kg carton with inner bag

Storage: Keep container tightly closed in a dry and cool place.

Safety Information

Non-hazardous for air, sea and road freight.

Detailed safety information is contained in each Material Safety Data Sheet, which can be obtained from our company. Please contact at: sales@sunwisechem.com.