



TECHNICAL DATA SHEET

Product Name: Nucleating Agent NC-3

Equivalent product: Millad 3988

Identification Synonyms : 1,3:2,4-Bis(3,4-dimethylbenzylideno) sorbitol ; DMDBS

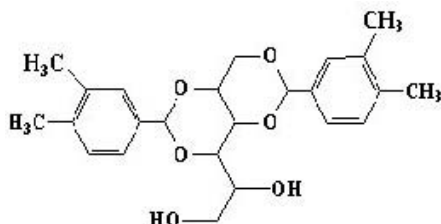
Molecular Formula : C₂₄H₃₀O₆

Molecular weight : 414.49

CAS Number 135861-56-2

EINECS/ELINCS N/A

Structure :



Specification:

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

Introduction:

Nucleating agent NC-3 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.



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In addition, nucleating agent NC-3 can shorten the molding cycle of products, expand the processing conditions and strengthen the smoothness. Nucleating agent NC-3, the third generation of sorbitol nucleating 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 agent NC-3 is especially applicable to resin of top-grade polypropylene products, such as medical supplies and food packaging. And it is approved by FDA to use for food packaging materials.

Application

Nucleating agent NC-3 is especially applicable to clear plastic products like medical supplies, stationery, beverage packaging, cups, bowls, basins, plates, CD boxes and so on, also fit for the high-temperature sterilization products and widely used in PP sheet and 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 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 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.

For information, please contact us at: sales@value-int.com