



Technical Data Sheet

NJSTAR® NU-100
Beta nucleator for polypropylene

Product Description NJSTAR NU-100 is the first non-pigmenting beta nucleator for polypropylene homopolymer and impact copolymer that imparts enhanced physical properties. Balanced impact strength, flexural modulus and HDT are achieved.

Chemical Name N,N'-dicyclohexyl-2,6-naphthalenedicarboxamide

CAS Number 153250-52-3

Molecular Weight 378

Applications Conversion: Injection Moulding, Thermoforming, Blow moulding, Sheet extrusion
End product: houseware articles, food containers

Features / Benefits NJSTAR NU-100 is a non pigmenting beta nucleator. The beta nucleation of polypropylene offers a number of unique properties (drastic increase in impact strength of PP at both room temperature and -20°C with almost no change in flexural modulus, improved productivity, lightweight and excellent organoleptic properties, cost saving benefits, etc.)

Guidelines for use NJSTAR NU-100 is used in concentration between 0.03% and 0.2% in polypropylene homopolymer and impact copolymer.
Recommended processing temperature range: 200 - 300°C
Best suitable polymer: Polypropylene





Physical properties Physical form: White powder
Melting range: 375 - 385 °C

Handling & Safety In accordance with good industrial practice handle with care and prevent contamination of the environment.
Avoid dust formation and ignition sources.
For more detailed information, refer to the MSDS.

Registration NJSTAR NU-100 is listed in the following inventories:
Europe: ELINCS / REACH Australia: AICS
USA: TSCA Korea: ECL
Japan: MITI

NJSTAR NU-100 is approved in many countries for use in food contact applications. For detailed information contact our sales office.

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