

Irgastab® NA 287

Technical DataSheet | Supplied by BASF

Irgastab® NA 287 by BASF is a high performance nucleating agent. Provides enhanced mechanical and optical properties, heat deflection temperature as well as high resistance to warpage of semicrystalline polymers. It raises crystallization temperature and provides higher molding productivity by allowing shorter cycle times. Irgastab® NA 287 has good compatibility in crystalline polymers, with no problem of blooming and is non-extractable. Suitable for polypropylene, PET, PBT and polyamides, applicable for a variety of applications such as household and packaging items. Its recommended dosage rate is 0.04 % and 0.3 %.

Product Type	Nucleating Agents Antioxidants > > thioether
Physical Form	Powder, Fine
Appearance	White
Product Status	COMMERCIAL
Applications/ Recommended for	PP PBT PA, Nylon PET Packaging Households products/ Consumer Goods Mechanical/ physical performance Cost reduction > Reduce cycle time

Irgastab® NA 287 Properties

Property	Value & Unit	Test Condition	Test Method
Melting Point	380 - 400 °C		
Density	1.82 kg/l	At 20°C	
Angle of Repose	35 - 40 °		
Bulk Density	0.3 kg/l		
Solubility	< 0.1 % w/w	At 20°C in Water	

Solubility	< 0.1 % w/w	At 25°C in Acetone
Solubility	< 0.1 % w/w	At 25°C in Toluene
Solubility	< 0.1 % w/w	At 25°C in n-Hexane
Solubility	< 0.1 % w/w	At 25°C in Methanol
Solubility	< 0.1 % w/w	At 25°C in Ethanol
Solubility	< 0.1 % w/w	At 25°C in Benzene
Solubility	< 0.1 % w/w	At 25°C in Ethyl Acetate
Solubility	< 0.1 % w/w	At 25°C in Chloroform
Volatility	280 °C	Pure Substance. TGA in Air. 10°C/ min). 10% Wt Loss
Volatility	140 °C	Pure Substance. TGA in Air. 10°C/ min). 1% Wt Loss

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