

Irgaclear® DM

Technical DataSheet | Supplied by BASF

Irgaclear® DM by BASF is a high performance sorbitol. Acts as a clarifying agent. Also acts as a nucleating agent by creating a large number for small size spherulites during the cooling of the polypropylene melt. It reduces haze and enhances the clarity of polypropylene. Irgaclear® DM enhances the elastic modulus of the polymer. Provides enhanced stiffness of the molded part and shorter cycle times during the molding process.

Product Type	Clarifiers / Clarifying Agents Nucleating Agents
Chemical Composition	(1,3:2,4) Diparamethyldibenzylidene sorbitol
CAS Number	81541-12-0
Masterbatch	No
Physical Form	Powder
Product Status	COMMERCIAL
Applications/ Recommended for	PP
Food contact approval	Yes
Bio Based	No

Irgaclear® DM Properties

Property	Value & Unit	Test Condition	Test Method
Molecular Weight	386 g/mol		
Melting Point	255 - 262 °C		
Bulk Density	120 - 290 g/l		
Solubility	< 0.01 g/100g	At 20°C in Water	

Compatibility with other products

Find products that are predicted to be compatible with Irgaclear® DM.

This list of compatible products is generated out of estimated HSP values. A practical determination of these HSP values would provide higher certainty.

[Learn more about Hansen Solubility Parameters \(HSP\) and their use in predictive formulation](#)

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