

Tipco Clearbatch - 10 Clarifying & Nucleating Masterbatch

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

Material Notes:

Description: Clearbatch-10 is Tipco's Advanced Clarifying & Nucleating Masterbatch based on Polypropylene (PP) containing 10% of special proprietary additive that influences the Crystallization Kinetics of PP. It is suitable for Indirect Food Contact use & in Odor Sensitive PP Products that require high Clarity, Gloss & Stiffness. Polypropylene with Clearbatch-10 is called Clarified PP. Applications: Clearbatch-10 is added to Polypropylene for a variety of end-use applications such as:Thermoforming of cups, Trays, Transparent Panels, ContainersInjection Stretch Blow Molding of Bottles & Containers for packing Medicine, Baby Foods, etc.Thin Walled Injection Moldings, Clear/Translucent Films, Sheets, Profiles & various Extruded Sections Information provided by the Manufacturer, Tipco Industries Ltd., India.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tipco-Clearbatch-10-Clarifying-Nucleating-Masterbatch.php

Optical Properties	Metric	English	Comments
Haze	6.53 %	6.53 %	Random Copolymer with between 2%-2.25% Clearbatch-10 versus a haze level of 65% without Clearbatch-10; ASTM D1003
	14.1 %	14.1 %	Homopolymer with between 2%-2.25% Clearbatch-10 versus a haze level of 71% without Clearbatch-10; ASTM D1003
Gloss	122.1 %	122.1 %	Homopolymer with between 2%-2.25% Clearbatch-10 versus gloss of 93% without Clearbatch-10; ASTM D523
	132.41 %	132.41 %	Random Copolymer with between 2%-2.25% Clearbatch-10 versus gloss of 93.9% without Clearbatch-10; ASTM D523
Yellow Index	2.24 %	2.24 %	Homopolymer with between 2%-2.25% Clearbatch-10 versus yellow index of 1.58 without Clearbatch-10; ASTM E313
	2.44 %	2.44 %	Random Copolymer with between 2%-2.25% Clearbatch-10 versus yellow index of 1.61 without Clearbatch-10; ASTM E313
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

Processing Properties	Metric	English	Comments
Processing Temperature	<= 260 °C	<= 500 °F	Unless plate out occurs.
Melt Temperature	285 - 320 °C	545 - 608 °F	
Mold Temperature	5.00 - 15.0 °C	41.0 - 59.0 °F	

Processing Properties

Metric

English

Comments

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