



Tosaf BI 7302 LL

TOSAF Compounds Ltd. - Antimicrobial Agent Masterbatch

Sunday, November 3, 2019

General Information

Product Description

Anti-microbial treated masterbatch for polyolefins

BI7302LL masterbatch (MB) contains a zinc-based antimicrobial additive that is active against a wide range of bacteria, fungi, molds, mildew and algae that may affect the plastic product. The additive is stable at processing temperatures up to 230°C and has food contact allowance for certain applications.

BI7302LL deters the growth of microorganisms on the surface of your product. It has been developed for extrusion and injection molding of polyolefins and is also suitable for the production of transparent films. It is extremely cost effective in comparison to silver-based antibacterial MB's.

Direct exposure to strong UV or sunlight for prolonged periods of time is not recommended, particularly for transparent applications.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Agency Ratings	• FDA Food Contact, Unspecified Rating		

ASTM & ISO Properties ¹

Additives General	Nominal Value	Unit
Additives Category	Masterbatch -- Antimicrobial Agent -- Zinc Compounds	
Recommended for Use In	<ul style="list-style-type: none"> • Polyethylene or ethylene-olefin copolymer (PE) • Polypropylene or propylene-olefin copolymer (PP) 	
Forms	Pellets / Granules	

Additives Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ASTM D1238
State at Room Temperature	Solid		
Melting Temperature	> 230	°F	
Maximum Processing Temperature	446	°F	
Chemical Description	Zinc-based		

Notes

¹ Typical properties: these are not to be construed as specifications.