



Plastics Machinery Masterbatch Compound

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Micromaster[®]
Masterbatches

PRODUCT NAME : MICROMASTER[®] white RC5

General Description

This product contains: TiO₂ RUTILE, polyolefin and other additives. It's designed for ease of dispersion and it is therefore suitable for direct addition and mixing with plastic resins in mixer, free from pollution problem caused by pigment.

Properties

Name	: MICROMASTER [®] white RC5
Product Type	: Titanium Dioxide Masterbatch
Pigment	: Rutile Coated
Color	: White
Appearance	: White pellet
Pellet Size	: 3x3 (±0.3) mm
Pigment Content	: TiO ₂ 75%±2.25
Carrier Resin	: LLDPE
Application	: Film blowing, blow moulding, injection moulding
Compatibility	: LDPE, HDPE, LLDPE, PP
Packaging	: 25 kgs/bag
Storage	: Keep at dry condition. The bags must be stored indoors for a maximum of 12 months and approximately at 25°C.

The information contained in this Product Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. The information provided herein is based on technical data that Microtec believes to be reliable, however Microtec makes no representation or warranty as to the completeness or accuracy therefore and Microtec assumes no liability resulting from its use or for any claims, losses, or damages of any third party. Recipients receiving this information must exercise their own judgement as to the appropriateness of its use, and it is the user's responsibility to assess the material's suitability (including safety) for a particular purpose prior to such use.



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Technical Information

Classification Test Items	Test Method	Unit	Results
Melt Index (190°C/2160g)	ASTM D 1238	g/10 mins	10-20
Moisiure Contents	ASTM D 570	wt%	<0.2
Specific Gravity	ASTM D 792		2.02
Bulk Density		g/cm ³	1.24
Melting Point		°C	122
Heat Stability		°C	300
Heat Resistance		level	4-5
Let Down		%	2
Movability Resistance		level	5
Light Fastness		level	7-8

HEALTH AND SAFETY

Confirm with the European Resolution AP 89 (1) heavy metal content.

FOOD APPROVAL

MICROMASTER[®] *white RC5* can be used in food packaging according:

- European Union: EU Directive 10/2011 and EU Directive 2002/72/CE and the subsequent amendments; Directive 94/62/CE;
- ITALY: Decreto Ministeriale n. 34 del 21.03.1973 e successivi decreti applicativi;
- GERMANY: BgVO 10.04.1992, Ausgabe April 2003;
- France: J.O. de la Rèp. Francais 13.10.1992 – Brochure nr. 1227; et Arr du 02/01/2003.

REMARKS

PE – PP, for film colouring, bottles, drums, sheets, pipes, large garbage cans, food containers, trash and garbage bags, housewares etc.

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